

Provider	Contact Person	Approved Courses	Hours	Instructor
360Water	Laura Tegethoff Raish (614)294-3600	Customized Online Operation and Maintenance Program	1 hour	Laura Tegethoff Raish
Aarcher Institute of Environmental Training	Janine Bocchicchio (410)897-0037	SPCC Compliance Manager	16 hours	Paul Miller
Abaris Training Resources, Inc	Michael Hoke (775) 827-6568	Aerospace Repair Analysis & Substantiation	40 hours	Gregory Kress
		Composite Laminate Design	40 hours	Gregory Kress
ABSG Consulting Inc. (ABS Consulting)	Karen Evans (865) 671-5823	Please review website for additional courses and instructors: <a href="http://www.absconsulting.com/training">www.absconsulting.com/training</a>		
		Process Safety Management Compliance	22 hours	
		Process Hazard Analysis Leader	30 hours	
		Root Cause Analysis and Incident Investigation	24 hours	
		SEMS Compliance (30 CFR 250)	8 hours	
		OSHA Compliance Bootcamp	35.5 hours	
		Environmental Compliance Bootcamp	36 hours	
		Clean Air Compliance Institute	28 hours	
		Compliance Auditing	16 hours	

		Risk Based Process Safety	16 hours	
		Management of Change	16 hours	
		Hazard and Accident Analysis	32 hours	
		Advanced Root Cause Analysis	36 hours	
		Mechanical Integrity	16 hours	
		Human Error Prevention	16 hours	
		Operating and Maintenance Procedures	12 hours	
		Layer of Protection Analysis	16 hours	
		Safety Integrity Level	16 hours	
ADM Design Services	Franklin Walters (217) 451-3711	Structural Dynamics and Mechanical Vibrations**January 26, 2012**	8 hours	Robert Sayer
		Evaluation, Repair and Retrofitting of Existing Steel Structures **May 5, 2011**	8 hours	Robert Shaw
		Structural Welding: Design and Specification	8 hours	Robert Shaw
		Fabreeka International Seminar on Vibration Isolation **February 15, 2011**	8 hours	Steve McCuiston
		Design and Specification of Pre-engineered Steel Connections **December 9, 2010**	8 hours	Andrew Rohn
Advanced Drainage Systems	Joe Rogers (317)417-0385	Introduction to IDEM Approved Polypropylene Gravity Sanitary Sewer Pipe	1 hour	Joe Rogers
		Stormwater Quantity & Quality Solutions Utilizing Thermoplastic pipe	1 hour	Greg Spires or Joe Rogers

		Stormwater Quantity & Quality Solutions Utilizing Open Bottom Chambers per ASTM_2418 & F2787	1 hour	Greg Spires or Joe Rogers
		Overview of Legislation Affecting Stormwater Management	1 hour	Dan Figola
		Engineering Applications for PVC drainage structures and Catch Basin Inserts for Water Quality	1 hour	Joe Simunich
Advanced Solutions, Inc	Jordan Parker (502) 638-2741	Leveraging Building Information modeling (BIM) for Efficient Project Management	2 hours	Dave Kaldy
	Ted Yopp (877) 438-2741 ext 1166	AutoCAD Electrical 2012: Fundamentals	24 hours	Craig Bashor
		Autodesk Vault 2012: Essentials	16 hours	Rick Decker
		Revit MEP 2012: Project Fundamentals	8 hours	
		Revit MEP 2012: Mechanical Essentials	8 hours	
		Revit MEP 2012: Electrical Essentials	8 hours	
		Revit MEP 2012: Plumbing/Piping Essentials	8 hours	
		Revit MEP 2012: Advanced	8 hours	
		Civil 3D 2012: Essentials	24 hours	Heather Nagel
		AutoCAD Electrical 2012: Fundamentals	24 hours	Craig Bashor
		Autodesk Vault 2012: Essentials	16 hours	Rick Decker
		Autodesk Factory Design Suite: Learning Essentials	32 hours	Craig Bashor
		Autodesk Vault Professional Essentials	8 hours	Tim Sealschott

		Autodesk Vault Workgroup and Collaboration	16 hours	Hall Carruthers
	Brittani Amos (877) 438-2741 ext 1185	Revit Structure Fundamentals	20 hours	Dan Fluegeman
	Brittani Amos (877) 438-2741 ext 1185	Revit Structure Advanced	8 hours	Dan Fluegeman
Advantix Systems	Shelby Hamilton 305-503-0446 x3813	Liquid Desiccant	1 hour	Trevor Wende, Aaron Hohenbrink, Phil Farese
Aerzen USA	Kevin Grant	Application of High Efficiency Positive Displacement & Centrifugal Blowers	1 hours	Kevin Grant
AHJ Technical Continuing Education Corporation	Carl Scrivner (903)517- 9937	Codes & Standards Review Part 1- General (self study seminar)	6 hours	Carl Scrivner
		Codes & Standards Review Part 1- General (1 of 3) ["live" webinar]	2 hours	
		Codes & Standards Review Part 1- General (2 of 3) ["live" webinar]	2 hours	
		Codes & Standards Review Part 1- General (3 of 3) ["live" webinar]	2 hours	
		Codes & Standards Review Part 2- Grounding & Bounding (self study seminar)	5 hours	
		Codes & Standards Review Part 3- Wiring Methods (self study)	7 hours	
		Codes & Standards Review Part 4 Cable Calculations (self study)	6 hours	
		Codes & Standards Review Part 5 AHJ issues (self study)	8 hours	
		Code & Standards Review Part 1 General (1 of 3) "live" webinar	2 hours	
		Code & Standards Review Part 1 General (2 of 3) "live" webinar	2 hours	

		Code & Standards Review Part 1 General (2 of 3) "live" webinar	2 hours	
		Code & Standards Review Part 2 Grounding and Bonding (1 of 2) "live" webinar	2 hours	
		Code & Standards Review Part 2 Grounding and Bonding (2 of 2) "live" webinar	3 hours	
		Code & Standards Review Part 3 Wiring Methods (1 of 3) "live" webinar	2 hours	
		Code & Standards Review Part 3 Wiring Methods (2 of 3) "live" webinar	2 hours	
		Code & Standards Review Part 3 Wiring Methods (3 of 3) "live" webinar	3 hours	
		Code & Standards Review Part 4 Cable Calculations (1 of 3) "live" webinar	2 hours	
		Code & Standards Review Part 4 Cable Calculations (2 of 3) "live" webinar	2 hours	
		Code & Standards Review Part 4 Cable Calculations (2 of 3) "live" webinar	2 hours	
		Code & Standards Review Part 5 AHJ Issues (1 of 3) "live" webinar	2 hours	
		Code & Standards Review Part 5 AHJ Issues (2 of 3) "live" webinar	2 hours	
		Code & Standards Review Part 5 AHJ Issues (3 of 3) "live" webinar	3 hours	
		Codes and Standards Review - Part 6 - Area Classification (self study seminar)	7 hours	
		Calculations and Applications - Part 1 - Short Circuit (self-study seminar)	6 hours	
		Calculations and Applications - Part 2 - Arc Flash (self- study seminar)	6 hours	
		Codes and Standards Review - Area Classification ( 1 of 3 live webinar)	2 hours	
		Codes and Standards Review - Area Classification ( 2 of 3 live webinar)	2 hours	
		Codes and Standards Review - Area Classification ( 3 of 3 live webinar)	3 hours	

		Calculations and Applications - Part 1 - Short Circuit (1 of 3 live webinar)	2 hours	
		Calculations and Applications - Part 1 - Short Circuit (2 of 3 live webinar)	2 hours	
		Calculations and Applications - Part 1 - Short Circuit (3 of 3 live webinar)	2 hours	
		Calculations and Applications - Part 2 - Arc Flash (1 of 3 live webinar)	2 hours	
		Calculations and Applications - Part 2 - Arc Flash (2 of 3 live webinar)	2 hours	
		Calculations and Applications - Part 2 - Arc Flash (3 of 3 live webinar)	2 hours	
		Ethics/Statutes Review- Indiana	2 hours	
Air and Waste Management Association (www.inawma.org)	Susan Harris, Indiana Chapter Chair (317)521-7644	New Environmental Cleanup Laws & IDEM Implementation	1.4 hours	David Gillay/ Michael Schultz/ Bruce Oertal
		Paying for the Cleanup: Recent Developments in Environmental Cost Recovery	.5 hours	Jamie Dameron
		MACT, GACT, AND NAAQS Oh My!?	0.75 hours	David Dempsey
		Green House Gas Updates, Regulator and Non-Regulatory	1 hour	David Jordan/ Tom Rarick/ Elsie Palabrica
		National Ambient Air Quality Standards (NAAQS)- Where does Indiana Stand?	0.6 hour	Keith Bauges, IDEM
		How does IDEM Protect Hoosiers and Environment	.6 hour	Tom Easterly, IDEM Commissioner
		IDEM Clean up Rules	.6 hour	Bruce Palin, IDEM
		IDEM Water Update	.6 hour	Bruno Pigott, IDEM
		IDEM Update - Office of Pollution Prevention and Technical Assistance	.6 hour	R. Bossingham, IDEM
		***above courses were held on December 9, 2010 for a total of 6.6 hours****		

		Understanding Today's Clean Air Act Permit Programs ***October 5-6, 2011***	12 hours	Gale Hoffnagle, Bill Harnett, Gary McCutchen, Ken Weiss
	Gloria Henning, Education Services Associate 412-904-6021	A&WMA's 106th Annual Conference & Exhibition, "Towards Sustainability" (Technical Program Only)	18 hrs	various
		AIR-284: Boilers, Process Heaters, & Air Quality Requirements	7 hrs	Leo Stander, BCEE
		AIR-286: Fundamentals of Air Quality Modeling	7 hrs	Dr. Paolo Zannetti, QEP
		AIR-298: An Introduction to CALPUFF Modeling System	7 hrs	Ryan Dupont, Ph.D
		EMGM-285: Environmental Health Risk & Hazard Risk Calculations	7 hrs	Louis Theodore,
		GEN-100: Environmental Practices Review	7 hrs	James Donnelly, QEP
		GENESMP-100: Environmental, Science Mngmt & Policy Review	7 hrs	James Donnelly, QEP
		AIR-182: Air Permitting- The Basics	7 hrs	Leo Stander, BCEE
		AIR-295: Air Quality Engineering	7 hrs	Mark J. Rood, Ph. D, BCEE
		AIR-299: AERMOD Air Dispersion Modeling	7 hrs	Jesse, The, Ph.D.
		EMGM-130: Introduction to Environmental Forensics	3.5 hrs	Walter Sheilds, Ph.D.

		EMGM-130: Introduction to Environmental Forensics	3.5 hrs	Russ Ogle, Ph.D.
		EMGM-351: Project Mngmt Essentials for Environmental, Health, and Safety Professionals	7 hrs	Ravid Elam, CIH, CMQ/QE, PMP, QSTO (I-IV)
Alcoa Power Generating, Inc	Ned Malcolm (812) 204-9929	Writing a Scope of Work	8 hours	Nelson Malcolm Jr.
Alcoa Warrick Operations	Jeff France (812) 853-4848	Intellectual Property	.5 hours	
		Confidentiality	.5 hours	
		Dangers of Cover-Ups	.5 hours	
		Insider Trading	.5 hours	
		Doing Business with Integrity	.5 hours	
		Mutual Respect	.5 hours	
		Export Controls	.5 hours	
		Environmental Awareness in Manufacturing	.5 hours	
		Antitrust	.5 hours	
		E-Compliance	.5 hours	
		Conflicts of Interest	.5 hours	
		Anticorruption/Antibribery (FCPA)	.5 hours	



		Privacy	.5 hours	
		Information Protection	.5 hours	
		Robinson-Patman Act	.5 hours	
		EU Competition Law	.5 hours	
		Global Competition Law Principles	.5 hours	
		SOX and Internal Controls	.5 hours	
		Unauthorized Commitments	.5 hours	
		Integrity Leadership	.5 hours	
		Financial Integrity	.5 hours	
		Records Management	.5 hours	
		Environmental Stewardship	.5 hours	
		Product Liability	.5 hours	
		Safety and Security in the Workplace	.5 hours	
		Supplier Confidentiality	.5 hours	
		Data Protection in the EU	.5 hours	
		OECD Anti-Bribery	.5 hours	
		Protecting Corporate Assets	.5 hours	
		Imports and Customs Compliance for Global Companies	.5 hours	

		Human Rights	.5 hours	
		Careful Communications	.5 hours	
		****above courses are for employees of Alcoa Warrick Operations****		
Alpha Engineering, Inc.	Ben Hukaba (317)279-9841	Windmill II, Version 8 Training	32 Hours	Brian Lassiter, Milsoft Utility Solutions
Alpha Engineering Services, Inc	Gary Hartsog (304)255-4131	Underground Surveying and Mapping -- Basic Seminar	8 hours	Gary M. Hartsog
		Underground Surveying and Mapping -- Advanced Seminar	8 hours	Gary M. Hartsog
		Coal Mine Ventilation -- Advanced Seminar	8 hours	Gary M. Hartsog
		***Above courses were held May 18-20, 2011***		
Alt & Witzig Engineering, Inc.	Kellen Heavin (317)875-7000 x139	Geotechnical Investigations	1 hour	Thomas Coffey, Ellen Wilkinson, David Harness, and Kellen Heavin
American Concrete Institute	Eva Korzeniewski (248)848-3754	ACI/PCA Reinforced Concrete Design (2 day seminar)	15 hours	Mahmoud Kamara, Lawrence Novak
		Concrete Repair Basics	7.5 Hours	James E. McDonald, Myles (Tony) Murray
		Concrete Slabs on Ground	7.5 Hours	Jerry A. Holland, James H. Loper
		Masonry Design to the IBC and MSJC Code	7.5 Hours	Klinger, Rochelle Jaffe, W. Mark McGinley
		Troubleshooting Concrete Construction	7.5 Hours	Frank Kozeliski, Douglas Deno, W. Calvin McCall, Charles Nmai,

		<a href="#">34 online course - All courses you are required to take an test at the end of each module</a> <a href="http://www.concrete.org">http://www.concrete.org</a>		
American Concrete Pipe Association	Corey Fraser	Quality Tracks Cementitious Materials	1.5 hour	Tony Sorcic Vartan Babakhanian Mel Marshall
		Aggregates	1.17 hours	Ed Mansky    Jake Jyrkama John Kallemeyn    Ryan Kistler Chuck Curry    Paul Krauss
		Reinforcing	1.83 hours	
		Admixtures	1.0 hour	
		Concrete Technology	1.25 hour	
		Mix Design	1 hour	
		Self Consolidating Concrete	1.25	

		Curing	1.5 hours	
		Consolidation	1 hour	
		Concrete Production	.67 hour	
		Pre/Post Pour Inspection	0.75 hour	
		Testing	1 hour	
		Repairs & Finishing	1.0 hour	
		Q Cast Certification	1.5 hour	
		Engineering Track Design-Soil Envelope	Pipe 1 hour	Paul Imm   Hank Gottschalk Randy Wahlen   Glenn Clayton

		Rigid vs. Flexible Installations (P3)	1 hour	Art Daniel Erin Anseeuw Hugh Martin Josh Beakley Corey Fraser
		Box Installation	1 hour	
		Basic Hydraulics (P3)	1 hour	
		Axial Jacking Pipe Desing	1 hour	
		Indirect Design	1 hour	
		Direct Design	1.25 hour	
		Review of the Requirements for HDPE Service Life	1.5 hour	
		ACPA research	1 hour	

		Structural Components of RCP (P3)	1.7 hours	
American Electric Power	T. David Parrish (614)552-1170	Electrostatic and Electromagnetic Coupling	1.5 hours	Dr. Albert Keri
		Lattice Tower Testing	1.5 hours	T.David Parrish, Kelly Bledsoe, Mary Jane McMillen, Meihuan Zhu
		Soil Exploration	2 hours	Anthony DiGioia
		Conductor Motion & Control	2 hours	Robert Whapham
		Transmission Line Asset Management	2 hours	Eric Engdahl, Joe Hall
		Toughened Glass Insulators	1.75 hours	Zelindo Lodi, Ezro Del Bello
		Standards, Design of Small Parts, Forged Ring Base Plate Review, Slip Joint Installation	1.25 hours	Marty Kopplin
		Ethical Decision Making	1.5 hours	Tom Weaver
		Sitting and Permitting Training Seminar	3 hours	Alan Wood, Jonathan Magalski
		PATH Project Overview	1 hour	Bryan Hanft
American Excelsior Company	Ron Greater (815) 768-5866	Curlex, Recycle and Sediment Log Brand Erosion and Sediment Control Solutions	1 hour	Ron Greater

American Ground Water Trust	Denise Gallagher (317) 228-5444	Water Well & Pump Performance: The Economic Basis for Water Well Operation , Rehabilitation & Maintenance	7.25 hours	Andrew Stone
		Geothermal Heating and Cooling Innovations: Design, Financing and Regulation	7.5 hrs	Doug Dougherty; Garret Graaskamp; Steve Hamstra; Mark Hayden; John Isch; David Neale; Bob Peck; Jeff Quinn; Gene Slavens;
American Gear Manufacturers Association	Jan Alfieri (703)838-0055	Gear Failure Analysis	15 hours	Robert Errichello (primary instructor) & Jane Muller
		Gear Failure Analysis Online	10 hours	Robert Errichello (primary instructor) & Jane Muller
American Institute of Steel Construction	Margaret Matthew (312) 670-5448	From the Desk of Kurt Gustafson- Steel Day Eve Seminar ***( September 22-23, 2011)***	1.5 hours	Charles Carter
		Specification and the 14th Edition Steel Construction Manual	8 hours	Louis F. Geschwinder, Duane Miller
		HSS Connection Design/Dos & Don'ts of Steel Construction	8 hours	James Fisher, Doug Rees-Evans
		Seismic Braced Frames-Design Concepts and Connections	8 hours	Michael West, Rafael Sabelli
		Effective Steel Design: Step-by-Step Design for Industrial and Commercial Buildings	8 hours	W. Samuel Easterling
		Welded Connections: From the Basic to the Advanced	4 hours	Jules Van de Pas
		Uniform Force Method	1.5 hours	Clinton Rex
		Design of Ductile Vertical Bracing Connections for Seismic Applications	1.5 hours	Carol Drucker
		What You Need to Know about Steel Metallurgy	1.5 hours	William Thornton

		***above courses vary by date and location***		
		Five Useful Stability Concepts - Live Webinar	1.5 hours	Joseph Yura
American Public Power Association	LeAnne Nienhuis (202) 467-2973	CEO Roundtable	9 hours	
		Effective Management of Electric Field Operations	6.5 hours	
		The New 2012 National Electrical Safety Code (NESC) Overview	6.5 hours	
		Cyber Security for Public Power Utilities	3 hours	
		CEO Roundtable	9.75 hours	Michael Moran, Richard Levick, Robert Glennon
	LeAnne Nienhuis (202) 467-2973	Electrical Calculations for Engineers & Technicians	6.5 hours	Hamid Jaffari, Jim Baller, Sean Stokes, Carl Potter, R. John Miner
		Pole Attachment Issues	3.25 hours	Hamid Jaffari, Jim Baller, Sean Stokes, Carl Potter, R. John Miner
		Safety and the Supervisor	3.25 hours	Hamid Jaffari, Jim Baller, Sean Stokes, Carl Potter, R. John Miner
		Maintenance of High Voltage Electrical Distribution Systems	6.5 hours	Hamid Jaffari, Jim Baller, Sean Stokes, Carl Potter, R. John Miner
		Overhead Distribution Systems	2.3 hours	Hamid Jaffari, Jim Baller, Sean Stokes, Carl Potter, R. John Miner
		CEO Roundtable	9.75 hours	Michael Moran, Richard Levick, Robert Glennon
		APPA's 57th Engineering and Operations Technical Conference		
		Sizing Distribution Transformers	1.3 hours	Rick Anderson



		Hot-Tag Relaying & Engineering Controls	1.3 hours	Bill Galloway
		Power System Controls in Today's Substation	1.3 hours	Mike Collum
		Best Practices in Maintenance Programs	1.3 hours	Brandon Graham, Leon Friedrichson
		Fall Protection: Methods, Programs, & Policies	1.3 hours	Scott Windham, Brent McKinney
		Automated Self-Healing Systems for Distribution Restoration	1.3 hours	Jim Glass
		Evaluating Coal Fired Plants	1.3 hours	Mike Borgstadt
		GIS and System Modeling	1.3 hours	Steven E. Collier
		Teaching Supervisors to be Safety Coaches	1.3 hours	Shawn Galloway
		Uncovering Emerging Technologies	1.3 hours	Rich Schmidt
		Power Plant Sites Post-Retirement	1.3 hours	Stephen Mitchell, Stanley Rzad
		EPRI's Prism 2.0 Model: The Value of Innovation	1.3 hours	Bryan Hannegan
		Benefits of an Integrated DMS/OMS	1.3 hours	Hamid Jaffari
		Human Behavior's Influence on the Culture of Safety	1.3 hours	Cathy Benecke
		Cyber Security for SCADA	1.3 hours	Jonathan Pollet
		Justification, Selection, & Implementation of Distribution Automation Equipment	1.3 hours	Bill Bush, Caleb Harrison
		Mutual Aid and Disaster Planning Go Hand-In-Hand	1.3 hours	Greg Labbe, Barry Moline, Michael Hyland
		Wireless Options for Utility Communications	1.3 hours	John Walier
		North American Gas: What Next?	1.3 hours	Josh McCall

		Bridging the Gap Between IT, Operations, & Engineering	1.3 hours	Chris Fate, Jeff Simdon
		Safety Excellence - Trust, Accountability & Leadership	3.5 hours	David Crouch
		Communications & Control Committee Roundtable	3.5 hours	
		Transmission & Distribution and System Planning Committees Roundtable	3.5 hours	Dale Burmester
		Safety Committee Roundtable	3.5 hours	
		Generation & Fuels and Environmental Committees Roundtable	3.5 hours	Jim Roewer
American Structurepoint, Inc	Elisabete Bradley (317) 547-5580	Basic Design of Roundabouts	4.5 hours	Craig Parks and Jeromy Grenard
American Trainco	Nicola Donaven (303)531-4560	2011 National Electric Code	16 hours	Bob Clukey, John Montgomery, Bob Nolan,
		Arc Flash & Electrical Safety	16 hours	Mel Amundson, Victor Roderick, Art Boyle
		Electrical Troubleshooting & Preventive Maintenance	16 hours	Mark Standifer, Rich Mascarenas, Jim Gross, David Turner
American Water Service Company	Peter Keenan (856) 727-6112	Granular Media Filtration Part 1- Fundamentals	1 hour	Steve Creel
		Hydro geological Test Requirements for New Well Permitting	1 hour	Don Geddes
		Design of Chlorination Systems	1 hour	Dilon Waterman & Peter Keenan
		Water Main Rehabilitation	1 hour	Mike Wolan
		Energy Usage Index	1 hour	Doug Potts & Peter Keenan

		Value Engineering Approaches	1 hour	Steve Creel & Ryan Ural
		Lessons for Operations and Engineering from the Joplin Disaster	1 hour	Erick Stevenson & Matt Barnhart
		American Water Design Build Case Studies	1 hour	Tim O'Brien & Dante Alday
		Project Management for Process Intensive Projects	1 hour	Peter Keenan & Steve Creel
		Cost Estimating	1 hour	Ryan Ural
		Biological Phosphorus Removal- Theory and Practice in a Five-Stage Bardenpho Process	1 hour	Andrew Higgins
		Electrical Requirements for Conceptual Design	1 hour	Karl Landis
American Water Works Association	Leah Bang (303) 734-3436	AWWA'S 2012 Annual Conference & Exposition (ACE12)	24 hours	
ANSYS, Inc.	Richard Lounsbury 603-727-5408	Introduction to ANSYS Mechanical Online Training Course	24 hrs	Gary Stofan
Applied Geometrics, Inc (AGI)	Debbie Sunden (269) 377-2392	Fundamentals of Geometric Dimensioning and Tolerancing (GD&T)	24 hours	
		Fundamentals of GD &T Online	24 hours	
		Advanced GD&T	24 hours	
		Tolerance Stack-Up Analysis	16 hours	

		Applications & Interpretation of GD&T	24 hours	
		GD&T for CMM Operators/Inspectors	24 hours	
		GDTP Certification Preparation	24 hours	
Aqua-Aerobics Systems, Inc.	Thomas Sichz, P.E. (815)639-4463	Biological Process and Tertiary Solids/Liquid Separation and Aqua Aerobic Cloth Media Filers	1 hour	Thomas Sichz, P.E.
ASHARE Illinois Chapter	Chad Powell 847-342-9100	ASHRAE's Indoor Air Quality Guide	1 hour	John Vallani, Lewis Harriman, Maria Lupo
		Gas Detection and Monitoring for Indoor Air Quality	1 hour	John Vallani, Lewis Harriman, Maria Lupo
		Commissioning Ramifications of IAQ Guidelines	1 hour	John Vallani, Lewis Harriman, Maria Lupo
		Diagnosing & Fixing Humidity Control Problems in Real World Buildings	1 hour	John Vallani, Lewis Harriman, Maria Lupo
		Humidity Control	1 hour	John Vallani, Lewis Harriman, Maria Lupo
		Humidity Sensors- Understanding and Evaluating Products and Performance Criteria	1 hour	John Vallani, Lewis Harriman, Maria Lupo
Asphalt Pavement Assoc of Ind	William Knopf 317-632-2441	Hot Mix Asphalt Technical Briefing	1.5 hours	Dudley Bonte, Gerry Huber
Averill M. Law & Associates	Averill Law (520) 795-6265	Simulation Modeling for System Design and Analysis: Fundamental Principles-- April 11-13, 2011	14.5 hours	Averill Law
		Simulation Modeling for System Design and Analysis: Advanced Concepts-- April 14-15, 2011	13 hours	Averill Law

Babcock & Wilcox Company	Lorna Duskey (330) 860-2806	ASME B31.1 Power Piping Design Seminar & Workshop	16 hours	Glynn Woods
		Topics in Mechanical Vibration	7.5 hours	Dr. Rudolph Scavuzzo
Badger Meter, Inc	Jacob Jasperson 414-745-1001	Residential Metering Technology-	2 hrs	Jacob Jasperson
Baldor Electric	Gary Brinkman	Generator Guide Selection Presentation	2 hours	Josh Fugett, David Bunch
		Transfer Switch Application Review w/Generator	2 hours	Josh Fugett, David Bunch
		Physical Demonstration of Generator with Transfer Switch	1 hour	Josh Fugett, David Bunch
Barnes & Thornburg LLP	Robin Brandwein (312) 214-8814	2011 Clean Water Workshop ***October 12-13, 2011***	11 hours	Cronin, Robin Garibay, Pavel Hajda, Jeff Langsworth, Michael Musgrave Adrienne Nemura, Erika Powers, Tim Simpson, Dean Vlachos, Jack Waggener, Denny Wene
Belimo Aircontrols (USA), Inc.	Emma Klosson	Chilled Water Low Delta T Mitigation	1.0 hour	Donald G. Evenson      Darryl L. Rangel      Carl Kray Robert C. Walker      Bill E. Williams
		Smoke Damper Actuators	1.0 hour	

		Eliminating Waste Advantages of P.I. Valves	1.0 hour	
		Energy Value	1.0 hour	
BL Anderson	David R. Gasvoda 765-463-1518	Wedeco UV Seminar	1 hour	Kevin Flis
BP Whiting Refinery- Reliability Group	Roman Barlog (219)473-3351	Financial Basics for Decision Making	12 hours	Roman Barlog
		Life Cycle Cost Analysis	2 hours	Roman Barlog
Brian Stephens-Hotopp, PE, CFM	Brian Stephens 317-964-1949	Permitting for waters of the State and Floodways	1 hr	Brian Stephens-Hotopp, PE, CFM
BSA Life Structures	John Sauer (317) 819-7878	Ethics for Engineers	1 hour	John Sauer
		Indiana Statutes and Rules for Professional Engineers	1 hour	John Sauer
Buckeye Power Sales	Larry Pankau (317)223-9858	BPS- Generator Sizing - Motor Starting	1 hour	Larry Pankau
		BPS- ATS Brains n Brawn	1 hour	Ryan Baumann
		BPS-102 Generator Sizing – Beyond Motor Starting	1 hour	Larry Pankau
		BPS - 191 Client Interview Part 1 of 2	1 hour	Larry Pankau
		BPS - 192 Client Interview Part 2 of 2	1 hour	Larry Pankau

		Paralleling Switchgear	2 hours	Ryan Baumann
		Natural Gas Generators	1 hour	Larry Pankau
		Fuel Storage Requirements for Standby Generators	1 hour	Mark Cronin
		EPA Emissions for Stationary Emergency Generators	1 hour	Dennish Monahan & Larry Pankau
		BPS-103 Generator Sizing-By the Numbers	1 hour	Larry Pankau
		2011 NEC Rules on Grounding	7 hours	Mike Holt
Burgess & Niple Inc	Christine Brahler (614)459-2050	Concepts in Risk Management	1 hour	Online courses
		Legal Liability of Design Professionals	1 hour	
		Developing the Capacity fo Manage Risk	1 hour	
		Evaluation of Projects and Clients	1 hour	
		Planning Phase and Design Phase Risk Management	1 hour	
		Bidding or Negotiating Phase Risk Management	1 hour	
		Construction Phase Risk Management	1 hour	
		Contracts for Professional Services	1 hour	
		Alternative Methods for Project Delivery	1 hour	
		Insurance for Design Professionals	1 hour	
		Dispute Prevention and Non-Adjudicative Resolution	1 hour	

		Adjudicative Dispute Resolution-Litigation or Arbitration	1 hour	
		Planning for Success in the Internationalo Project Arena	1 hour	
		Strategic Planning for Design Professionals	1 hour	
		Specialized Risks: Designing for Sustainability and condo Projects	1 hour	
		Emerging Practice: Building Information Modeling and Integrated Project Delivery	1 hour	
Bicycle Indiana	Nancy Tibbet 466-9701	317 AAHO Guide for the Development of Bicycle Facilities *3/2013*	3.5 hours	Tom Huber
Caldwell Tanks, Inc.	K. Ryan Harvey	Design and Construction of Prestressed Concrete Tank Structures	1 hour	Ryan Harvey Ryan Leisey
		Potable Water Tank Mixing & an Introduction to New Mixing Technology	1 hour	Sam Burris EIT
Cardno ATC	Akhtar Zaman (219)-922-7235	Due Diligence in Construction Industry	2 hour	Akhtar Zaman
Carlson Software	Grant Wenker (606) 564-5028	Carlson Software Mining CAD Training	16 hours	Grant Wenker
Caterpillar Inc	Brad Moore (765)448-2298	C175 Diagnostic Troubleshooting	60 hours	Robert Hoster, Bill Eaton
CEseminars.Org	Diana Nichols 317-679-8760	Intermediate Elements of Storm Hydrology & Hydraulics for Small Urban Watersheds	7 hours	Duane A. Brown



		Route Survey Seminar	6 hours	Gary Kent
CDM Smith, Inc	Andy Miller (317) 829-9600	Storm Water Management in 2013- Will there be an "app" for this?	1 hour	John Aldrich
		Case Study- Ohio Department of Transportation Approach to addressing the Storm Water Pollution	1 hour	Mark MacCade
		Preventing Sexual Harassment for Managers	2 hours	
		Approach to Design: Module 3	1.5 hours	
		The Management Consulting- Water Resources Connection: Opportunities for Collaboration	1 hour	
		Mentoring Effectively	2 hours	
		ARC Flash- An Engineer's Role in Reducing Risk	1 hour	
		Critical Operations Power Systems (COPS)/NEC	1 hour	
		Electrical Discipline Basics	2 hours	
		OSHA 10-hour Construction	10 hours	
		The Economics of Landfill Gas To Energy Projects	1 hour	
		Designing for Construction and Operational Safety	1 hour	
		Changes from ASCE 7-05 to ASCE 7-10 Part 1	1 hour	
		Introduction to Thrust Restraint Design for Buried Pipelines	1 hour	
		Pile Testing Program	1 hour	
		Could the River Run Through It? Lowell's Response to an "Inactivated" Levee System	1 hour	

		Achieving CDM's Strategic Vision through the R&D Program	1 hour	
		Application of the CDM High Performance Computer Cluster to Water Resources Projects	1 hour	
		Collector System Seminar- The Baltimore Model	1 hour	
		Using Sanitary Sewer Inflow and Infiltration Field Data to Calibrate a Storm Sewer Model	1 hour	
		Overview of the CDMwins Process	1 hour	
		A Team- Based Strategic Approach to Selling	6 hours	
		Reframing Conflict at CDM Smith	9 hours	
		Overview of Quality Management at CDM Smith	1 hour	
		Module 7: The Role of the Project Manager in Establishing a Safety Culture	1 hour	
		Project Management Level 2: Project Manager as Leader	21 hours	
		Ethics: Core Values in Action	1 hour	
		Conflict of Interest and Your Responsibilities	1 hour	
		Approach to Design: Module 1	3 hours	
		Approach to Design: Module 2	2 hours	
		Introduction to the New Design Process	2 hours	
		CDM Annual Wastewater Technology Forum 2011	4 hours	
		Treatment Plant Hydraulic Analysis at CDM Smith	2 hours	

CFMA of Central Indiana	Norma Dunton (317)842-6325	Navigating Front End Bid Specs, Managing your Contract, Safety, & Insurance Risks	3.5 hours	Jayne Donnelson, Traci Hardin, Robert S. Lawyer, Jim Phillips, Lorene Beauchamp
Chemical & Industrial Engineering, Inc	Joy Kerr (502) 371-4857	Aspen In -Plant Cost Estimator Training	16 hours	Cynthia Erickson
CivilTraining, LLC (Division of Wetland Studies and Solutions, Inc.)	John Cooke (703) 679-5672	AutoCAD Civil 3D Essentials - 3 Days	24 hours	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		AutoCAD Civil 3D Intermediate - 3 Days	24 hours	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		Terrain Modeling, Contouring and Analysis in AutoCAD Civil 3D - 4 Hour Conference Class	4 hours	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		AutoCAD Civil 3D Surface Modeling for Existing Conditions I - 1 Hour Conference Class	1 hour	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		AutoCAD Civil 3D Surface Modeling for Existing Conditions II - 1 Hour Conference Class	1 hour	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		AutoCAD Map 3D Essentials - 2 Days	16 hours	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		AutoCAD Map 3D Intermediate - 2 Days	16 hours	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		GIS / CAD Project Workflow - 4 Hour Conference Class	4 hours	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		GIS for Land Surveyors - Concepts, Solutions and Applications - 4 Hour Conference	4 hours	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP

		GIS/Mapping Applications with AutoCAD Map - 1 Hour Conference	1 hour	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		AutoCAD Civil 3D Survey Essentials - 1 Day	8 hours	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		AutoCAD Civil 3D Survey Field Work Applications - 1 Day	8 hours	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		AutoCAD Civil 3D Survey Essentials - 4 Hour Conference	4 hours	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		AutoCAD Civil 3D Survey Migration for Land Desktop Users - 1 Hour Conference	1 hour	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		AutoCAD Civil 3D Survey Networks - Editing and Traverse Analysis - 1 Hour Conference	1 hour	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		AutoCAD Civil 3D Survey Project Management and Data Import - 1 Hour Conference	1 hour	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
		Using AutoCAD Civil 3D Survey - Controlling Point Display - 1 Hour Conference	1 hour	John Cooke, Yeoanny A. Vanetsanos, LS. CMS, GISP
CM Buck & Associates, Inc.	David Bunch (317) 293-5704 x 105	Paralleling Control Switchgear Design Considerations	1 hour	Phillip Kegerreis, Dan Buerk, Daniel Hall, David Bunch
	David Bunch (317) 293-5704 x 105	Basic Electricity	1 hour	Phillip Kegerreis, Dan Buerk, Daniel Hall, David Bunch
		Transfer Switch Applications: Motor Loads, Neutral Conductors & Seismic Certifications & Standards	1 hour	Phillip Kegerreis, Dan Buerk, Daniel Hall, David Bunch
		Transfer Switches 101 (Design Criteria & Ratings)	1 hour	Phillip Kegerreis, Dan Buerk, Daniel Hall, David Bunch
		Transfer Switch Ground Faults & Switching the Neutral Conductor	1 hour	Phillip Kegerreis, Dan Buerk, Daniel Hall, David Bunch
		Overhead Track Busway	1 hour	Phillip Kegerreis, Daniel Hall, David Bunch
		Surge Protection Devices (SPD), Current Standards & Applications	1 hour	David Bunch, Phillip Kegerreis, John Kroeker, Dan Hall

COLE Inc	Julie Gensler (715) 546-3346	Pumper Cleaner International -Environmental Expo February 27-March 1, 2012	1 hour sessions	
Construction Advancement Foundation of Northwest Indiana	Kevin Cornerford 219-764-2883	Quality Assurance/Quality Control of Structural Steel	7	Thomas J. Dobrowski
		Soils in Construction	7	Thomas J. Dobrowski
		A Practical Guide to Concrete	7	Thomas J. Dobrowski
		Construction Inspections for Civil and Structural Work	7	Thomas J. Dobrowski
		Ethical Case Studies Pertaining to Structural Steel and its Erection	1	Thomas J. Dobrowski
		Ethical Case Studies Pertaining to Soils in Construction	1	Thomas J. Dobrowski
		Ethical Case Studies Pertaining to Concrete	1	Thomas J. Dobrowski
		Ethical Case Studies Pertaining to Inspection Issues.	1	Thomas J. Dobrowski
Contract Solutions Group (CSG)	Ingrid Leaders (206)463-7487	****Please review website for additional courses www.contractsolutionsgroup.com****		
		When the Best Laid Plans Go Bad - April 13, 2011	1.5 hours	Guy Levan
		Project Leadership Development Series: Part I May 12, 2011	1.5 hours	Anne Smith; Gordon Culp
		Project Leadership - Session 2: Project Communication	1.5 hours	
		Project Leadership - Session 3: Project Planning, Delegation and Coaching	1.5 hours	
		Project Leadership - Session 4: Project Tracking, Course Correction and Closeout	1.5 hours	

		Construction Contract Administration: Session 1: Re-Engineering Change Order and Dispute Resolution	1.5 hours	
		Construction Contract Administration: Session 2: Project Scheduling and Delay Analysis	1.5 hours	
		Construction Contract Administration: Session 3: Project Cost and Damage Analysis	1.5 hours	
		Construction Contract Administration: Session 4: Issue and Dispute Resolution Techniques	1.5 hours	
		Successful A/E Collection Practices - How to Increase On-Time Payments and Minimize Write-offs	1.5 hours	
		Limiting Liability for Indemnity, Attorney's Fees and Other External Risks	1.5 hours	
		EWB-USA March 2012 Conference	25.75 hours	
Cornerstone Environmental, Health and Safety Inc.	Cynthia McMillan or Shayla Barrett (317) 733-2637	ISO 1400 Lead Auditor Training	24 hours	
		OHSAS 18001 Lead Auditor Training	24 hours	
		ISO 14001/OHSAS 18001 Lead Auditor Training	32 hours	
CEseminars	Diana Nichols (317)679-8760	The New 2011 ALTA/ACSM Survey Standards	6 hours	Gary Kent
		Land Dispute Mock Trial	5 hours	Gary Kent
		Planning, Zoning, and Draining Seminar	7 hours	Duane A. Brown
		How to Read a Survey	6 hours	Gary Kent
		Holiday Spectaculare for Engineers and Surveyors	7 hours	Gary Kent and Duane Brown
		Understanding the Requirements of Erosion Control Plans (ECPs) and SWPPPs	4 hours	Duane A. Brown

		How to Deal with NFIP without drowning	4 hours	
		Challenges of Construction Staking in Today's World	3 hours	
		Taking Ethics Seriously and Enjoying It	2 hours	
		Essentials of the Professional Practice Act	1 hour	
		Basic Elements of Designing Gravity Sanitary Sewers	3 hours	
		Basic Elements of Storm Hydrology and Hydraulics for Small Urban Watersheds	4 hours	
Christopher S. Allison	Christopher Allison (317) 372-0703	Analysis of Changes - 2011 NEC	4 hours	Christopher Allison
Civil Engineering Educators, Inc.	Cloyce Darnell	"visit website for additional courses" www.civilpdh.com		Cloyce Darnell, PE
		GDOT Cross Section Elements	2 hours	
		GDOT Elements of Design	3 hours	
		GDOT Lighting	1 hour	
		GDOT Road Safety and Horizontal Clearance	1 hour	
		GDOT Traffic Forecasting and Analysis1	1 hour	
Cooper Bussmann	Chuck Kinney (502) 552-2497	Short-Circuit Calculations, Selective coordination and Arc Flash Considerations	3 hours	Dann Neeser

County Surveyors Association of Indiana	Julie Umbaugh	Regulated Drains	3 hours	Beasley, Jarrod Hahn, Susan Bodkin
CPI Supply	Scott Brown (812) 280-8360	Permitting and Hydraulic Modeling for Structure Replacement Projects	1 hour	Robert Woosley, Greg Miller
		Municipal Separate Storm Sewer System Communities	1 hour	Rob Huckaby, Scott Brown
		Use of Geogrids for Subgrade Improvement/Stabilization ...flexible pavement	1 hour	William Sanders, John Malueg, James Sanneman
CPM - Cathodic Protection Management	Herbert M. Koch (630) 313-5784	Corrosion - An Overview	1 hour	Herbert M. Koch
Creating Leader, Inc.	David Ball (317)695-5860	Crestcom International Bullet Proof Manager Program (24- 2 hour modules)	2 hours ea.	
		Compass - A Professional Development Program (30 - 4 hour modules)	4 hours ea.	
Crawford, Murph & Tilly, Inc	William L. Bailey (317) 298-4500	Project Management manual and Delivery System	10 hours	Warren A. Knoles William L. Bailey, Jr. Steven K. Schroll Greg E. Heaton
Cullimore and Ring Technologies, Inc.	Cindy Beer 970-547-7159	Option 4 Thermal Desktop, RadCAD & FloCAD	16 hours	Doug Bell
		Introduction to RadCAD	8 hours	Doug Bell
		Introduction to FloCAD	8 hours	Doug Bell



D.L Steiner Inc	Roger Ford (419) 222-6048	The Electrically Safe Workplace (Electrical Hazard Analysis)	4 hours	Daniel Steiner; Tyler Oberly; Roger Ford
David Mackinder	Nathan Parker (313) 577-2450	Technical Communication I: Reports	42 hours	David Mackinder
Dale Carnegie & Associates	Thomas Otley (636) 980-6100	Dale Carnegie Course in Effective Communications and Human Relations	42 hours	
Design Professional Group of XL Insurance	Shelia Whitney (800)227-8533 x2102524	Green Acres	2 hours	Holly Casey / Mike Gray/ Nick Siakotos
		The Shops of Galilean	2 hours	
		Holy Smokes	2 hours	
		Interstate Engineering	2 hours	
		Rockridge Elementary School	2 hours	
		Bench Design	2 hours	
		Bibb Engineering	2 hours	
		Brown/Watson	2 hours	
		Capital Architects	2 hours	
		Connection Engineers	2 hours	
		Express Engineering	2 hours	
		Green Architects	2 hours	
		Greer and Paul	2 hours	
		The Hani Company	2 hours	
		Longhorn Engineering	2 hours	
		Mesa Architects	2 hours	
		Mid-Town Developers	2 hours	
		Nast Engineering	2 hours	
		Par Engineering	2 hours	
		Random Associates	2 hours	
		Regal Engineering	2 hours	
		Snow Country Consulting	2 hours	
		Transportation Design Consulting	2 hours	
		Warehouse Development	2 hours	

		Western Development	2 hours	
		Understanding Ethics for the Design Professional	2 hours	
		Risk Drivers: Understanding the Dynamics of Risk	2 hours	
		Client Selection an Management	2 hours	
		Contract Management: Risk Allocation by Design	2 hours	
		Managing Construction Phase Risks: When your design becomes reality	2 hours	
		Negotiations: Strategies for Better Client Agreements	2 hours	
		Project Team Capabilities: Building a Team for Success	2 hours	
		Time Management and Project Initiation: Tools and Tactics for Enhancing Project Management	2 hours	
		Liability IQ: Lessons in Professional Liability	4 hours	
		Understanding Contract Basics: A monograph	4 hours	
		Beyond Contract Basics: A Monograph	5 hours	
		Further Studies in Contract Review: A Monograph	5 hours	
		Site Visit Guidelines: A Self Study Program for Structural Engineers	3 hours	
DLZ Indiana LLC	M. Scott Frank (614) 888-0040	Ethics in the Consulting Business	1 hour	Stuart Walesh, PhD.
		Personnel Management: The Engaged Employee - Unleash the Potential	3 hours	David Wahby, Vicki Briggs, Regina Harvey, Barry Lubow
		Finance: The Bottom Line - Understanding the Numbers ***May 20-21, 2011***	2 hours	
		BST & You: Fundamentals for Project Managers	2 hours	
		Avoiding Project Pitfalls	2 hours	

Donohue & Associates, Inc.	Samantha Treft 803-7354	920	Becoming The Utility Of The Future *3/2013*	.5 hours	Leon Downing, PhD, PE
			A Fly in Your Ointment (Activated Sludge)	1 hour	Kenneth Sedmak
			Nutrient Removal Regulations-Timelines, Removal in Midwest, Regulations & Natl Trends	1 hour	Leon Downing, PhD, PE, Steve Gress, PE, Joseph Pisula, PE
			Advanced Control Strategies	1 hour	Mike Minkebig
			H2S Reduction in Biogas with a Biological Scrubber	30 min.	Edward Nevers, PE, BCEE
			Process Lunch - Aeration and Blowers - Process Air Flow - February 25, 2013	1 hour	Leon S. Downing, Ph.D., PE, Steve Gress, PE, Kendra Sveum, PE, Joe Berktold, PE, Mike Minkebig
			Process Lunch - First Steps Towards Energy Independence: Reducing Demand - March 25, 2013	1 hour	Leon S. Downing, Ph.D., PE, Steve Gress, PE, Kendra Sveum, PE, Joe Berktold, PE, Mike Minkebig
			Process Lunch - Blower Types & Selection - April 22, 2013	1 hour	Leon S. Downing, Ph.D., PE, Steve Gress, PE, Kendra Sveum, PE, Joe Berktold, PE, Mike Minkebig
			Process Lunch - Electrical and I&C Considerations for Blowers and Aeration systems - May 28, 2013	1 hour	Leon S. Downing, Ph.D., PE, Steve Gress, PE, Kendra Sveum, PE, Joe Berktold, PE, Mike Minkebig
			Process Lunch - Online Sensor Evaluations - July 22, 2013	1 hour	Leon S. Downing, Ph.D., PE, Steve Gress, PE, Kendra Sveum, PE, Joe Berktold, PE, Mike Minkebig
Dow Chemical Company/ Dow AgroSciences	Don Williams (317) 462-6908		PLC: Ladder Logic & Symbology	3 hours	
			Process Measurement & Analysis: Tuning Loops	3 hours	

		Statistical Process Control- Process Variations	3 hours	
		GPE 110 Fluid Flow I	4 hours	
		GPE 130 Process Modeling Overview	4 hours	
		Process Technology Skills - PTSC - Plant Science	4 hours	
		Process Technology Skills - PTSC - Heat Exchange	4 hours	
		Process Technology Skills - PTSC- Compressors	4 hours	
		Process Technology Skills - Process Control	4 hours	
		Process Technology Skills - PTSC- Distillation	4 hours	
		Process Technology Skills - Troubleshooting	4 hours	
Drewry, Simmons, Vornehm LLP	David Vornehm (317) 580-4848	Local Indiana Preference Law	1 hour	David Vornehm
Drive Systems Technology, Inc	Raymond Drago (610) 358-0785	Fundamentals of Gear Design	24 hours	All with Raymond Drago
		Advanced Gear Design and Theory	24 hours	
		PC Applications in Parallel Axis Gearing	24 hours	
		Detailed Gear Design- Beyond Simple Service Factors	24 (32 w/ workshop)	
		Gearbox CSI Forensic Analysis of Gear & Bearing Failures; Useful Tools for Optimizing Gearbox Design	24 hours	Co Taught with Joseph Lenski
		Gear Materials: Selection, Metallurgy, Heat Treatment and Quality Control	24 hours	Co Taught with Roy Cunningham

		Gear Manufacturing & Inspection- Methods, Practices, Application & Interpretation for the Design Engineer	24 hours	
		Gearbox System Design - The Rest of the Story... Everything but the Gears and Bearings!	24 hours	Co Taught with Steve Cymbala
		Steel Mill Gear Technology - Practical Treatment for Engineers, Technicians, Managers & Skilled Trades	24 hours	
		Failure Analysis - The Application of Forensic Gear Engineering	8 hours	
		Bevel Gear Systems Designs	24 hours	
Ductile Iron Pipe Research Association	Paul Hanson (219) 464-4075	Features and manufacture of DI pipe per AWWA C151	1 hour	Paul Hanson or Allen Cox
		Thickness design for DI pipe per AWWA C150	1 hour	
		Installation of DI pipe in accordance with AWWA C600	1.5 hours	
		Horizontal Directional Drilling	1 hour	
		Corrosion Control for DI pipe	1 hour	
		Corrosion School	6 hours	
		Stray Current considerations for DI pipe	1 hour	
		AC overhead powerline R/W installations for DI pipe	1 hour	
		An engineering and practical comparison of DI and pvc pipe	1 hour	
		An engineering and practical comparison of DI and hdpe pipe	1 hour	
		An engineering and practical comparison of DI and steel pipe	1 hour	

		An engineering and practical comparison of DI and concrete pipe	1 hour	
		Pipe on supports	1 hour	
		Thrust restraint	1 hour	
		Subaqueous pipelines	1 hour	
		DI pipe Joints & their uses	1 hour	
		DI pipe in deep trench Installations	1 hour	
		Sustainability & Water Piping	1 hour	
Durkin & Villalta Partners Engineering	Becky Lengerich (317)472-3883	Two Pipe Operators Group- HVAC Efficiency and Design	6 Hours	
DW Squared, Inc.	Don Mink (317) 328-1975	Combined Sewer Overflow Management	1 hour	Donald W. Mink II, P.E.
Dwyer Instruments, Inc.	Josh Waters 219-879-8868	Understanding Pressure Sensor Accuracy *3/13*	1 hour	Josh Waters
Ecliptic Consulting Group	Michael Rega (727) 692-1911	Persuasive Communication/Phase One	16 hours	
		Negotiations/Phase Two	20 hours	
		Key Account Management (KAM) Phase Three	16 hours	
		Group Persuasion and Presentation Skills/Phase Four	20 hours	

E. J. Prescott, Inc.	Tim Brown 260-466-0134	Proper Application of Pipe Materials for Storm, Sewer, Water	1.5 hours	Tim Brown
EMH&T	Kevin Woodward (614) 775-4060	EMH&T AutoCAD Civil 3D Fundamentals	24 hours	Kevin Woodward
E.W. Bob Boulware	E.W. Bob Boulware (317)464-9090	Rainwater Harvesting Systems Design Procedures	2 hours	E.W. Boulware
Edison Welding Institute(EWI)	Leah Kohr (614)688- 5049	Fundamental of Welding Engineering	40 hours	Steve Levesque, Randy Dull, Tim Moore, Steve Massey, Jay Eastman, James Cruz, Morgan Gallagher, Rich Minshall, Sean Gleeson, Kristen Merlo, Larry Brown
e-Hazard Management, LLC	Nancy Lewis, (502)716-7073	Low Voltage Qualified NFPA 70E	8 hours	
		High Voltage OSHA 1910.269	8 hours	
		Train the Trainer Low and High Voltage	16 hours	
		NESC Safety and Arc Hazard Awareness	4 hours	
		Arc Flash Calculation	12 hours	
		Operators' Two Hour Course/Electrical Safety Facts	2 hours	
Electric League of Indiana	Adam Campagna (317) 686-2667	Safety Within the Electrical Industry	1.25 hours	

		Charging Stations for Electric Vehicles and How they Will Impact the Electrical Industry	1.25 hours	
		Building and Managing a Smart Grid	1.25 hours	
		Energize Indiana- The New Energy Incentive Program	1.25 hours	
		Light Control of Energy Savings	1.25 hours	
EngineerCE.com	Abraham Lee (888)346-4734	*** Please visit <a href="http://www.engineerce.com">http://www.engineerce.com</a> website for 200 + additional approved courses ***		
		INDIANA ETHICS, Statutes and Rules	2 hours	
		INDIANA: ETHICS for Professional Engineers	1 hour	
		INDIANA: STATUTES and Rules for Professional Engineers	1 hour	
		Ponds – Planning, Design and Construction	6 hours	
		Clean Energy: Wind Turbine Technology	2 hours	
		Electricity Consumption in Residential Buildings	6 hours	
		Fire Protection Engineering: Design and Construction in Buildings	4 hours	
		Principles of Landscape Design	2 hours	
		Design of Pile Foundations	12 hours	
		History of Coastal Engineering	3 hours	
		Basics of Fire Protection	4 hours	
		ADA Accessible Design Standards	8 hours	



		Gravel Roads - Maintainance and Design	5 hours	
		Conduits, Culverts, and Pipes	5 hours	
		Noise and Vibration Control in Construction	10 hours	
		Electrical Grid System Overview	1 hour	
		Stormwater Pollution Prevention Plan	4 hours	
		Raised Floor: Foundation Design-Built	4 hours	
		Designing Urban Sites for Anti-Terrorism Protection	12 hours	
		Dam Design with Earthquake Analysis	3 hours	
		Liquid Process Piping System Design	8 hours	
		Bridge Inspection: Maintenance and Repair	10 hours	
		Painting: Construction and Maintenance of Structures (Baby: Metal Corrosion Protection)	8 hours	
		Comprehensive Electrical Theory	8 hours	
Engineer Educators, Inc.	Dennis Barton (850)224-0500	LAW and RULES 2009-2011	4 PDH	William Palm
		Design Build Project Delivery	4 PDH	William Palm
		Mechanical Engineering Overview	4 PDH	Charles Langbein
		Administering the Construction Project	4 PDH	William Palm
		Wind Load Design Criteria II	4 PDH	William Palm

		Grounding and Bonding of Electrical Systems	4 PDH	William Gnan
		Project Management	4 PDH	William Palm
		Stormwater Management	4 PDH	Martin Wanalista
		Geotechnical Engineering Overview	4 PDH	Amr Sallam
		Green Development	4 PDH	Jennifer Languell
		Pumps and Pumping Systems	4 PDH	William Palm
		Emergency and Standby Power Systems	4 PDH	William Gnan
		Infrastructure Planning	4 PDH	William Palm
		Mechanical Systems	4 PDH	David Pascale
		Law and Rules for Indiana Engineers	1 hour	William Palm
		Ethics for Professional Engineers	1 hour	William Palm
		Wind Load Design Criteria 3.0	4 hours	William Palm
	Dennis Barton (850)224-0500	Managing Engineering Services Contracts	4 hours	John M. Lowe, P.E.
		Laws and Rules for Professional Engineers of Indiana	1 hour	William H. Palm, P.E.
		Ethics for Professional Engineers	1 hour	William H. Palm, P.E.
Engineered Software, Inc	Jeff Sines (360) 359-4025	Piping System Fundamentals	16 hours	Ray Hardee
		Piping System Assessment and Optimization	24 hours	Jeffrey Sines

		Centrifugal Pump Webinar	2 hours	George Stephens
		Process Measurement and Controls Webinar	2 hours	Mike Volk
		Total Pump Training	20 hours	Roy Lightle
		PIPE FLO Quick Start Training	1 hour	Christy Bermensolo
		Pump System Assessment Workshop	8 hours	
		PIPE-FLO FLO Master Training Seminar	15 hours	
Environmental Resources Management, INC		ERM Workshop: Regulatory Hot Topics in Air & Climate Change	3 hours	David Jordan
		SEDCAD Training Class	6 hours	Michael A. Ricci
Environmental Resource Center	Jenna Lewis (919) 469-1585	Hazardous Waste Management Annual update-webcast	4 hours	Kristie Cook Absher
Everett J. Prescott Inc.	Pete Hanrahan (207)482-1851	Erosion Control Workshop ***September 8,2011***	5 hours	Pete Hanrahan, Pat Holubetz, Mike Kiester
E.W. Bob Boulware, P.E., MBA	E.W. Bob Boulware (317) 464-9090	Rainwater Harvesting System Design Procedures	3 hours	E.W. Bob Boulware
EUCI	Amber Rhodes (303)770-8800x270	Balancing, Measuring, and Improving Cost and Reliability Performance for Electric Distribution Utilities ****January 30-31, 2012****	10.5 hours	Steve Fenrick, Rich Schmidt

		Vegetation Management: Budgeting and Cycle Optimization	1.5 hours	Patrick Delaney, Matt Thomson
		Vegetation Management: SECO Engery Improves Reliability and Speeds Up Storm Restoration	1.5 hours	Ken Lacasse
Erosion Resources & Supply, Inc.	Jane Anne Fleener 812-897-6074	Storm Water Regulations for 2013	1 hour	Dave Abel, IDEM & Missy Shaber, IDEM
		Trees in an Urban Environment	1 hour	Jason Lamers
		Low Impact Development for Pervious Pavers	1 hour	Mark Walker
		Turf Reinforcement Mats & Anchor Reinforced	1 hour	Greg Halverson
Eta Engineering Consultants, PSC	Cynthia Dorsey 606-739-6805	Steel Design	11 hrs	Gary Christopher, PE; David Gibson, PE; Keith Smith, PE; Eric Bias, PE; Brian Horsley; Jason Merritt, PE; Robert Gedies, PE; Charles C. Eaton
		Mechanical Series	55 hrs	Gibson, PE; Keith Smith, PE; Eric Bias, PE; Brian Horsley; Jason Merritt, PE; Robert Gedies, PE;
		Concrete Design	10 hrs	Gibson, PE; Keith Smith, PE; Eric Bias, PE; Brian Horsley; Jason Merritt, PE; Robert Gedies, PE;
		Electrical Design	7 hrs	Gibson, PE; Keith Smith, PE; Eric Bias, PE; Brian Horsley; Jason Merritt, PE; Robert Gedies, PE;

		Biodiesel: A Terminal Approach	2 hrs	Gibson, PE; Keith Smith,PE; Eric Bias, PE; Brian Horsley; Jason Merritt, PE; Robert Gedies,PE;
		Leadership Development New Target Clients	8 hrs	Gibson, PE; Keith Smith,PE; Eric Bias, PE; Brian Horsley; Jason Merritt, PE; Robert Gedies,PE;
		Leadership Development I	16 hrs	Gibson, PE; Keith Smith,PE; Eric Bias, PE; Brian Horsley; Jason Merritt, PE; Robert Gedies,PE;
		Leadership Development II	16 hrs	Gibson, PE; Keith Smith,PE; Eric Bias, PE; Brian Horsley; Jason Merritt, PE; Robert Gedies,PE;
ExL Pharma	Simon Curtis (212)400-6241	2nd Annual CMO Quality Oversight & Risk Management Workshop and Conference	14 hours	
Excel Engineering	Krista Nielsen (763) 571-5008	Intrinsic Safety Applied Today	1 hour	
		Arc Flash Analysis on Data Centers	1 hour	
		Industrial Network Security	1 hour	
		Advanced Controls: The Theory and Practice of Dynamic Gain	1 hour	
Fabreeka	Steve McCuiston (630) 924-1140	Fundamental in Vibration control as it relates to building structure and machine installations	1 hour	Steve McCuiston
Fink, Robert and Petrie, Inc	Scott Rouse (317) 872-8400	Overview of Current Building Codes for Indiana (IBC, ASCE, ACI, AISC)	2 hours	Scott Rouse

		Load Combinations of IBC 2006	2 hours	
		Wind Loads ASCE 7-05	2 hours	
		Seismic Loads ASCE 7-05	2 hours	
		Changes to Latest ACI and AISC Specifications	2 hours	
		Project Management for BIM Projects using Revit Structure	1.5 hours	
		Preparation of Structural Engineering Drawings	1.5 hours	
		Preparation of Geotechnical RFP's, Typical Concrete Construction Details and Appendix D	2 hours	
		Changes to ACI 318	1.5 hours	
		Concrete Specifications: Structural Engineer's Perspective for Concrete Buildings	1.5 hours	
		Overall Simplified Approach to Masonry Design and Detailing	1.5 hours	
		Structural Steel Specifications	1.5 hours	
Five Star Products, Inc. (Norman Nowosinski, PE; Director of Engineering; Five Star Products, Inc.)	Michael A. Paipal (845) 500-0078	Engineered Consideration with High Performance Grouts	1 hour	Michael A. Paipal, Norm Nowosinski, PE, Laura Morillo, PE, Craig Behr, Lash Russell, PE
Ft. Wayne ASHRAE	Lane D. Snowberger (260) 487-7922	Standard for the Design of High Performance Green Buildings	1.5 hours	Merle F. McBride
		Energy Management in New and Existing Buildings	1.5 hours	Richard Pearson

Franklin Energy Services	Don Challberg 855-812-9085	Lighting Best Practices and Emerging Technologies	4 hrs	Liesel Whitney
Freddy Weatherford, Groth Corporation	Scott Young	Biogas Handling Equipment	1 hour	Freddy Weatherford
Fuller Engineering	John Jay (317) 228-5809	Electric Motor Guide Specification Review	1 hour	Gary Brinkman
		Electric Motor Bearing Currents, Motor Shaft Grounding, and Proper Installation	1 hour	Larry Pund
		Generator Application Review, Sizing and Specification Writing Techniques	1 hour	Josh Fugett
		Using Variable Frequency Drives (VFDS) to Save Energy in HVAC systems	3 hours	Ken Fonstad
Fyfe Co. LLC	Anna Pridmore (858) 642-0694	CFRP Rehabilitation of Large Diameter Pressure Pipelines and Other Water/Waste Water Structures	1.5 hours	Anna Pridmore
	Tomas T. Jimenez 858- 642-0694	Repair & Retrofit of Large Diameter Large Pressure Pipe with Fiber Reinforced Polymers	1.5 hours	Tomas T. Jimenez
GAI Consultants, Inc	Brooke Chavis (412) 476-2000 ext 1146	Advanced Project Management	6 hours	John Edwards
		Project Management	4 hours	John Edwards
		Harvard Leadership	10 hours	David Mollish
		Risk Management Refresher	4 hours	John Edwards/E. James Hamilton
		Risk Management	4 hours	E. James Hamilton

		Client First	10 hours	Diane Landers
		Leadership and Management skills	10 hours	David Mollish
		Executive Leadership Training	6 hours	Anna Marie Lang
		Senior Management Training	6 hours	Laura Maxwell
		Leaders to Watch	10 hours	Jane Blicharz
		East Coast Erosion Blankets	1 hour	John Ravert
		BLD Services	1 hour	Brendan Doyle
		Lee Supply Co. Inc	1 hour	Paul Dreher, Regis Satina
		Point Park Marketing	12 hours	Dr. Charles Perkins
		Point Park Organization Systems	12 hours	Dr. Helena Knorr
		Point Park Accounting for Managers	12 hours	Lisa DiCerbo
		Point Park Global Environment of Business	12 hours	Dr. Lori Molinari
		Point Park Managerial Economics	12 hours	M. Arshad Chawdhry
		Trioplast	1 hour	Archie Filshill, PhD, Theresa Andrejack Loux, PhD
		High Performance Management	10 hours	David Mollish, MBA, MA
		Overview of Waterproofing Fabrics (4/13)	1 hour	Matthew Henderson, Jason Michael Hockran
		Overview of Horizontal Directional Drilling (4/13)	1 hour	Matthew Henderson, Jason Michael Hockran
		New South Access & environmental Solutions	1 hour	Gregory Supelak, Dave Henshaw, Kris Kollevoll
		Noise and Vibration Control, Inc.	1 hour	Gregory Supelak, Dave Henshaw, Kris Kollevoll



Gallagher Asphalt Corporation	Brock Brown 487-6868	317 Cutting Edge, Environmentally Friendly Asphalt Technologies: Hot In-Place Recycling *3/2013*	1 hour	Brock Brown
Gary L. Olson	Gary Olson (612) 910-8831	Characteristics of Non-Linear Loads & Their Impact on Generator System Design	1.5 hours	Gary L. Olson
		On-Site Review of a Generator Set Application	1 hour	
		Effective Use of NFPA 110 for Mission Critical Applications	1 hour	
		Grounding & Bonding for Generator set applications	1 hour	
		Noise Reduction in generator set applications	1 hour	
		Paralleling System Basics	1 hour	
		Transfer Switch Application Considerations	2 hours	
		Understanding & Specifying Generator Set Performance	1 hour	
		Technical Basis of Selection of Generator Set Size and Rating	1.5 hour	
Gasvoda & Associates, Inc.	John Duschene 891-4400	(709) Pre-Thickened Aerobic Digestion & Sludge Dewatering for the 21st Century	4 hours	Kevin Crane Wesselschmidt Gary
GE Energy Roots Blower, Compressors & Contorls	Erik Ellevog (773) 414-3459	Process focused and energy efficient approaches to automated wastewater aeration	1.5 hours	Erik Ellevog
Generac Power Systems, Inc.	Dave Koch 4811 ext.2538	(262)544- GPS-100 Generator Sizing	2 hours	Mitch Steffen, P.E. Steve Maser

		GPS-110 Generator Switching	2 hours	
		GPS-120 Paralleling Concepts & Implementation	2 hours	
		GPS-130 Understanding Generator Reliability	2 hours	
		GPS-140 National Electrical Code (NEC)	2 hours	
		GPS-150 Generator UL Listings & NFPA Standards	2 hours	
		GPS-160 Generator Provisioning & Installation		
		GPS-170 Engines and Emissions	2 hours	
		GPS-180 Alternators and Generator Controls	2 hours	
		GPS-190 Writing Performance Based Generator Specifications	2 hours	
Geomatics Workshops	Bill Tingle (704)756-1491	Floodplains and FEMA/NFIP for Land Surveyors and Engineers **May 9, 2011 and May 10, 2011**	8 hours	Bill Tingle
		Sediment and Erosion Control **August 28, 2011**	8 hours	Fred Gore
		Subdivision Design **September 10-11, 2011 and December 5-6, 2011**	16 hours	Fred Gore
		Wetlands for Land Surveyors and Engineers**December 2, 2011 and December 3, 2011**	8 hours	Patrick Garner
		Practical Hydrology and Hydraulics **August 27, 2011 and November 14-15, 2011**	8 hours	Fred Gore
Geostorage	Kevin Mcilvaine (732) 741-5015	The next generation of storm water management tech. 15 Edgewood Road Rumson, NJ-Geostorage	1 hour	Kevin Mcilvaine

Global CPE	Jeremy Rigsbey 460-4110	800-	An Introduction to Pile Foundations for Structures (PG-114)	3 hours J. Paul Guyer, PE, RA
			An Introduction to Preparation of Foundations for Structures (PG-113)	5 hours J. Paul Guyer, PE, RA
			Ethical Issues in Forensic Engineering (PG-112)	3 hours J. Paul Guyer, PE, RA
			An Introduction to Repair of Rigid Pavements (PG-111)	3 hours J. Paul Guyer, PE, RA
			An Introduction to Treated Water Storage (PG-110)	4 hours J. Paul Guyer, PE, RA
			An Introduction to Water Supply Systems (PG-109)	9 hours J. Paul Guyer, PE, RA
			An Introduction to Pumping Stations for Water Supply Systems (PG108)	5 hours J. Paul Guyer, PE, RA
			An Introduction to Architectural Design: Golf Clubhouses (PG-104)	3 hours J. Paul Guyer, PE, RA
			An Introduction to Architectural Design: Libraries (PG-105)	3 hours J. Paul Guyer, PE, RA
			An Introduction to Area Development Plans (PG-107)	3 hours J. Paul Guyer, PE, RA
			An Introduction to Architectural Design: Fire Stations (PG-103)	3 hours J. Paul Guyer, PE, RA
			An Introduction to Advanced Wastewater Treatment (PG-102)	5 hours J. Paul Guyer, PE, RA
			An Engineer's Guide to Influencing Public Policy (PG-101)	3 hours J. Paul Guyer, PE, RA

Golder Associates Inc	Fawn Bergen (303)980-0540	Air Workshop for Mining and Construction Material Industry- Come Up for Air in the Mile High City	4.5 hours	Radcliffe Dann, Marsha Sonderfan, John Jacus, Tekla Taylor, Steve Marks, Brain Patterson, Fawn Bergen
		Air Workshop for Mining and Construction Material Industry- St. Louis	5.5 hours	Robert McCann, Steve Marks, Brian Patterson, Robert Wilkinson, Robert Wilkinson, Rick Lodewyck, Ryan Birkenholz, Scott Stewart
Graceland College Center for Professional Development an Lifelong Learning, Inc. dba SkillPath Seminars, CompuMaster, HRC	Bill Hayen 913-362-3900	Conference for Women *3/2013*	6 hours	Angela Walton
Green Roofs for Healthy Cities	Jordan Richie (416) 971-4494	Green roof Design 101: Introductory Course	7.5 hours	Greg Raymond
		Green Roof Infrastructure: Design and Installation 201	7.5 hours	Greg Raymond
		Green Roof Waterproofing and Drainage 301	7.5 hours	Kelly Lockett
		Green Rood Plants and Growing Media 401	7.5 hours	Kelly Lockett
Griffin Pipe Products Company, LLC	Michael D. Youree 317-379-8980	Ductile Iron Pipe vs. PVC Pipe	1 hour	Michael D. Youree
		Ductile Iron Pipe 101	1 hour	Michael D. Youree
Guidon Design	Luke Leising 317-800-6388	Low Impact Development Strategies to Improve Stormwater Management and Decrease Project Cost.	1 hour	Luke Leising

Habegger Corp.	Steve Ehrman (317)875-9966	Variable Refrigerant Flow (VRF) Diamond Designer Trainer Seminar**June 6, 2011**	6 hours	Steve Ehrman and Matt Rash
		Energy Calculations for VRFZ Systems **June 23, 2011**	3 hours	
		VRF Technology and Applications in HVAC Systems **July 15, 2011**	1 hour	
		Chilled Beam Application and Design	1.5 hours	Steve Ehrman
		Heat Recovery Ventilation- New Technology and New Applications for Systems ***August 30- 31, 2011***	1 hour	Steve Ehrman and Terry Boese
		Modular Utility Central Plants...Making more sense than ever in higher education facilities***October 11, 2011****	1 hour	Steve Ehrman and Kelly Rushmore
HalfMoon Education Inc.	Doug Chapman (715)835- 5900	Solar Photovoltaic Energy Systems	6 hours	
		***above course is for seminar being conducted on April 5, 2011 at the Capital Conference Center***		
		Legal Issues for Indiana Professional Engineers - Including Ethics and Indiana Statutes and Rules	6 hours	
		Solar and Wind Energy Systems: Residential and Small commercial	6 hours	
		Energy-Efficient Building Envelope Design and Construction	6.5 hours	
		The Solar Energy Course for Architects, Engineers and Contractor	6 hours	
		State Plane Coordinate System Workshop	6 hours	
		Small Wind Energy Systems	6 hours	
		Stormwater Management	6 hours	

		GPS and GIS for Engineers and Surveyors	6 hours	Todd Horton
	Chris Watts (715) 835-5900	Technical Writing Workshop for Engineers	7 hours	Don Cunningham
		The Passive House Standard: Design and Modeling	6 hours	Richard Levine, John Robbins, Michael Hughes
		Geothermal Heating and Cooling: Technology and Applications	6 hours	
		Shallow Foundation Design, Construction, and Repair	6.5 hours	Anastasios Loannides, Richard Williams, Steven Schaefer, Bill Phillips, Ron Lech, Joseph Cooke, Randall Brooks
	Jessica Anderson (715) 835-5900	Soil Mechanics and Slope Stability	6.5 hours	R. Michael Bivens
		Best Practices in GPS Surveying	6 hours	Todd Horton
		Renewable Energy Systems for Building Professionals	6 hours	Wayne Appleyard James R. Hardin
		2011 National Electric Code	6 hours	Timothy G. Pool
		Construction Law for Architects, Engineers and Contractors	6.5 hours	Joseph M. Leone Ryan B. Bowers Jennifer L. Watt
		Indiana Land Boundaries and Access Rights	6.5 hours	Gary Kent and Dennis McKinney
		Fundamentals of Fluid Mechanics: Fluid Statistics and Pressurized Pipe Flow** July 15, 2011**	6 hours	Ken Edwards
		Construction Project Management ***December 14, 2011***	6.5 hours	David Winters, Jason Callicoat, Joseph Manzi, Bruce Schoumacher, Peter Graham, Dr. H. Brummel
		Residential Energy Assessment for Building Professionals	6 hours	John R. Robbins

		Low Impact Development	6 hours	Jennifer Fish, John Aldrich, Scott E. Sonnenberg, Jason Kentner, Craig Cawrse
		Principles of Seismic Design	6 hours	Wesley Britson, Bill Zhang, Kimberly Kramer, Harold Sprague, Don Phillippi
		Project Risk Management	6.5 hours	Dr. Timothy Kloppenburg
		Applying and Complying with The Indiana Commercial Energy Code ***March 30, 2012***	6.5 hours	J. Michael Carson
		Retaining Wall Design and Slope Stabilization Techniques	6 hours	R. Michael Bivens
		Solar Power Design Workshop	6 hours	John Ross Cromer
		Fundamental of Thermodynamics	6 hours	Constantine Gountzoulas
		Introduction to Solar Photovoltaics Online Webcast	1 hour	John Ross Cromer
		The Fundamentals of Solar Hot Water Online Webcast	1 hours	Jeff Gilbert
		The Fundamentals of Photovoltaics Online Webcast	1 hour	Jeff Gilbert
		Our Evolving Datums: Looking Ahead	3.5 hours	Todd Horton
		Using OPUS (online positioning user service	3.5 hours	Todd Horton
		Indiana Land Laws	6 hours	Gary Kent
		Minimizing Engineering Liability Exposure	7 hours	Joseph M. Leone
		Low Impact Development	7 hours	Howick, Colby Gray, Christopher Tomsic, Phil Tevis
		Indiana Engineering Law	6 hours	J. Michael Cavosi, J. Greg Easter
		Designing Geothermal and High-Efficiency HVAC Systems	6.5 hours	James Clark

		State Plane Coordinate System Workshop *3/2013*	7.0 hours	Todd Horton
		Best Practices in GPS Surveying *3/2013*	7.0 hours	Todd Horton
		GPS and GIS for Engineers and Surveyors *3/2013*	6.5 hours	Todd Horton
		Best Practices in GPS Surveying *3/2013*	6.5 hours	Todd Horton
Hamilton County Soil & Water Conservation District	John South 317-773-2181	Managing CSOs With Green Infrastructure	3.5 hrs	Ken Remenschneider, CLARB, ASLA; Roger Korrlowski
Havel, An EMCOR Company	Mark Tascosik (260)487-7900	Module 1 - Building Automation Systems 101	1.5 hours	Mike Barret, Kelly Boocher
		Module 2-Building Automation Systems Hardware	.75 hours	Mark Tacosik
		Module 3-Building Automation Systems Communication Protocols	.75 hours	
		Module 4-Building Automation Systems Software	1.5 hours	
		Module 5-Building Automation Systems Integration of Other Technologies	.75 hours	
		Module 6-Building Automation Systems Various Markets	.75 hours	
		Havel Fundamental Seminar Series: Heating, Ventilation and Cooling 101	8 hours	Larry Coss
		Electronic Controls Training	4 hours	
		Pneumatic Controls Training	4 hours	
		Variable Frequency Drive Technology for Pump & Fan Applications	3 hours	Bill Bauer
		Identifying energy saving opportunities with Variable Frequency Drives	3 hours	Ron Ray



		Niagara Systems-Building Automation Head End Systems	6 hours	Larry Coss
		NFPA 70 E-ARC Flash Training	4 hours	Mark Tacosik
		Network 8000 Control Systems	4 hours	Larry Coss
		Andover Control Systems	4 hours	Larry Coss
		Smart Struxure Building Automation Systems	4 hours	Larry Coss
Hayward Baker, Inc.	Raymond Franz (630)339-4309	Geotechnical Construction: Methods and Applications	1 hour	Raymond Franz, Michael Minton, Shane Farr
		Ground Modification, Earth Retention and Structural Support	1 hour	
		Ground Modification: Methods/Application/Design-Installation	1 hour	
		Thermoplastic valves, strainers, filters, and pumps. Both manual and automated valves will be covered	1 hour	Thomas Pradetto
Heartland Pump Rental & Sales, Inc	Brad Gould (618) 363-0240	Basic Hydraulics and Pump Operation	1 hour	
		Contingency Plans/Emergency Pumping	1 hour	
		HDPE Pipe and HDPE Pipe Fusion Procedures	1 hour	
HDR Inc	Debbie Friedman (402)926-7169	HDR Conduct and Ethics Tutorial	1 hour	Ralph Lassiter
		Professional Ethics	4 hours	

Henry P. Thompson Co.	Lance Gaffin (317) 576-6568	Elements of Drinking Water Treatment	1 hour	Mark Sears
		Wastewater and Drinking Water UV System Design	1 hour	John Faber
		Designing for Fine Grit Removal	1 hour	Pat Herrick
		Turning Biogas into Clean Energy	1.5 hours	Tom Moore; Doug Couillard
		Mixed Oxidants: Alternative disinfectant that can reduce operational costs and improve water quality	1 hour	John Deogracias
		Optimizing Solids Suspensions & Contact to Promote Efficiency in Wastewater Applications using Process Mixing Systems with double Nozzle Design	1 hour	Rick Behnke
	Bill Cantwell	Using Magnetite for Enhanced Clarification in Water & Wastewater Applications	1 hour	Robert C. Backman
		Aeration Systems and How They Can Be Applied to Achieve Effective Nutrient Removal	1 hour	Steve Myers
		Using Belt Filter Press Technology for the Dewatering of Municipal Wastewater Sludge	1 hour	Mike Steinel
		Advancement in Submersible Sewage Pumps and Mixers	1 hour	Harold Adams
HJ3 Composite Technologies, LLC	John Huedepohl (520) 322-0010	Carbon Fiber Repair of Concrete, Steel, Steel Pipe and Masonry Structures	3 hours	James J. Butler
HNTB Corporation	Regina Cash	Introduction to Project Administration	15 hours	Tom Hicks,
		Principles of Project Administration	15 hours	Henry Liles,
		Advanced Project Administration	15 hours	Dave Black,
		Design Build Business Basics	10 hours	Patricia Spence,

		Project Management Express	20 hours	Tim Faerber,
		Practice Building	18 hours	Tammy Dobson,
		Sophisticated Contracting	8 hours	Jeff Minor,
		Sophisticated Negotiating	10 hours	Michael Scott,
		Project Management Principles	16 hours	Tad Wibdy,
		Project Management Tools	9 hours	Scott Butzen
		Project Management Process	16 hours	Siamak Kusha
		4for4 Delivery	8 hours	Matthew Hintze
		Client Sales	8 hours	Heather Taylor
		Sophisticate Sales Approach	8 hours	Brian Swenson
		Interoffice Project Management	8 hours	Chuck Giddings
		Understanding Client Needs	8 hours	Chris Price
		Career Coaching and Mentoring	4 hours	Eugenio Bonet
		Introduction to HNTB Resources	8 hours	Dave Evans
		Young Professional Development	8 hours	
		Creating a Respective Workplace	1 hour	
		Earned Value Management (EVM)	4 hours	
		Work Plans	4 hours	

		Real Integration Potentials for GIS/BIM for Public Works Applications	1 hour	Jeff Siegel
		Officer Sales Seminar	13.5 hours	Ed McSpedon; Ken Graham
		2013 CPD Training Session One: Assess and Rate Performance *3/13*	1 hour	Peter Nielsen
		Introduction to Hec-Ras	1 hour	Robert Page
		Using ArcGIS with Hec-Ras	1 hour	Robert Page
Houston Electric	Andy Neustifter 765-474-6115	Baldor Generators and Houston Electric Competencies	1 hr	Josh Fugate, Ed Butler, Gary Brinkman, Andy Neustifter
Hydromax USA	Stuart Bowns 512-7878	859 Multi-Sensor Inspection (HD Camera, Sonar, Laser) of Large Diameter Pipelines	1 hour	Jeffery Graham, PE
ICS Penetron International, Ltd	Jermy Swatzfager (631)941-9700	Protecting Concrete w/Crystalline Waterproofing Technology	1 hour	Jeremy Swartzfager, Christopher Chen
Indiana IKO Concrete Pipe Association	John Susong (317) 769-5801	Evaluating Cracks In Installed RCP and Understanding the Process of Autogenous Healing	1 hour	John Susong/Allen Squires
		production facility and demonstration of 3 edge bearing	1 hour	Eric A. Carleton
		Utilizing laser profiling to Evaluate Installed Pipe-lines	1 hour	John Fleckenstein
Indiana Section American Water Works Association	Derek Snyder (219) 844-8680	Ductile Iron Pipe 101	1 hour	Mike Youree
		Senate Bill 132- "Utility Data Collection"	1 hour	Joe Sutherland

		INDOT Permitting	.5 hour	Kenny Franklin
		Holey Moley Locate Requirement "Changes in Law and Natural Gas Safety"	.5 hour	Chuck Miller
		Northwest District Fall 2012 meeting	3 hours	Peter Bastasich Alex Hood Michael Hively Chris Stanek
	Elizabeth Patz 219-880-2331	Northwest District Spring 2013 meeting (4/13)	3 hours	Edward Nickels, P.E., Bill Hunt, Jeff Parish
Indiana Society of Professional Land Surveyors, Inc.	Dianne Bennett (317)888-4400	Real Time GNSS Positioning		William Henning
		Microsoft Access		Casey Glanders
		Upcoming Changes to NPDES Phase II Rules and Corresponding Watershed Management Techniques		Ted Blahnik
		Influencing Government Decisions		John Matonich
		Height Modernization (HTMOD) Principles		William Henning
		Billing and Collection of Fees		John Matonich
		Pricing Professional Services		Larry Phipps
Indiana State Department of Health	Pete Fritz (317) 234-6808	Planning for Bicycle-friendly Communities	2.5 hours	Pete Fritz, Nancy Tibbet, Mike Lindbloom
Infinity LC DBA On-Line-Classes.com	Meredith Ross (888)405-7849	Environmentally Friendly Landscaping and Site Design	1 hour	Meredith Ross
		Residential Design Considerations and Building Code	1 hour	Rebecca Boucher

		Residential Accessibility Applications Pt. 1	1 hour	Rebecca Boucher
		Residential Accessibility Applications Pt. 2	1 hour	Rebecca Boucher
		Review of Electrical Safety Procedures Pt 1	1 hour	Alex Pesiridis
		Review of Electrical Safety Procedures Pt 2	1 hour	Alex Pesiridis
		Electrical Conductors in the Built Environment	1 hour	Thomas Breslin
		OSHA Fall Protection Primer	1 hour	Roy Terepka
		Navigating the National Electrical Code	1 hour	Thomas Breslin
Infrastruct.Net Corp	David Devine (260) 486-8842	Basic Indiana Statutes and Rules for Professional Engineers	1 hour	David Devine
		Basic Code of Ethics, American Society of Civil Engineers	1 hour	
Innovative Engineering Solutions	Paul F. Rice 517-764-9670	Basic Fundamentals of PLS-POLE	14 hours	Paul F. Rice
Institute of Transportation Engineers	Nicola Tavares (202) 785-0060 ext 155	ITE 2012 Technical Conference & Exhibit	15 hours	
		Integrating Demand Management into The Transportation Planning Process	1.5 hours	Egan Smith, Sonya Jackson, Eric Schreffler
InterConnecting Automation Inc	Douglas Bell (414) 425-8348	Introductory PLC Training	24 hours	Douglas Bell
		Advanced PLC Training	24 hours	

International Masonry Institute	David Collins (317) 872-3426	Tips to Optimize Structural Masonry	1.5 hours	Diane Throop
		Structural Masonry Code Update 2008 & 2011 MSJC	1 hour	Scott Walkowicz
		Structural Masonry Engineering Methods	2 hours	W. Mark McGinley
		Masonry Code Update	1 or 1.5 hours	
		Holistic Design of Masonry Buildings	1 or 1.5 hours	
		Structural Masonry Case Studies	1 or 1.5 hours	
		Designing Masonry Anchors- Brick, Block, and Stone	1 hour	
		WHAT IF....The Impact of Design Decisions on Masonry Walls	1 or 1.5 hours	
		Software Options for Structural Masonry Engineering	1 hour	
		RAM Elements for Masonry Learning Session	3 hours	
		Energy Efficient Cavity Walls	1 hour	
		What to Observe on a Masonry Construction Site	1.5 hours	
		Ten Things Engineers Need to Know About Masonry Specifications	1.5 hours	
		TMS Special Inspection of Structural Masonry Construction	8 hours	Diane Throop, Scott Walkowicz, David Collins
		Grouting and Reinforced Masonry	5 hours	David Collins
		Understanding the New Masonry Wall Bracing Standard Practice	1.5	Scott Walkowicz, PE, NCEES
		Internal Bracing for Masonry	1.5	Diane B. Throop, PE, FASTM, FTMS

		An Overview: Bracing Masonry Walls	1.5	David Collins, CSI
International Paint LLC	Kevin Hoheisel (312) 835-5778	Common Challenges & New Coatings Tech. for the Water & Wastewater Market	1.0 hour	
Insolutions Products, LLC	Charles Albea (317)879-8200 ext 211	Phenolic Foam Based Duct: Kingspan Kool Duct	2 hours	Charles Albea
Investment Evaluations Corp.	John M. Stermole	Economic Evaluation and Investment Decision Methods	20 hours	John M.Stermole
J. Dwight Thompson Co.	Rick Wilhelm (513) 871-9970	Application of Cloth Media for Wastewater, Tertiary Filtration	1 hour	Richard J. Wilhelm
J. Michael Carson		Understanding ASHRAE 90.1-2007 and Indiana Energy Conservation Code	6 hours	J. Michael Carson
		ASHRAE 90.1-2007 and the Indiana Energy Conservation Code	1 hour	J. Michael Carson
JADE Learning	Amy Bonilla (919) 834-5055	2011 NEC Changes Part 1	8 hours	David Burt
		2012 NEC Changes Part 2	8 hours	
		Overcurrent Protection According to 2011 NEC	4 hours	
		Grounding and Bonding According to 2011 NEC	4 hours	
		Electrical Safety Now	4 hours	



		Lockout/Tagout	4 hours	
James Michael Carson	James Michael Carson 765-427-8269	Indiana Codes & Laws: Construction Plan Submission	1 hour	James Michael Carson, PE
		Indiana Codes & Laws: Engineering Ethics	1 hour	James Michael Carson, PE
John M. Campbell & Company	Roni Graham (405) 701-1205	Fundamentals of Onshore and Offshore Pipeline Systems (PL-4) 10 days	68 hours	David Hairston
John V. Reints	John V. Reints 630-327-5425	Static Regain Ductwork Modeling for PEs	6 hours	John V. Reints
Johnson County Partnership for Water Quality in Conjunction with the Owens-Forrest Environmental Institute	Mary Atkins (317) 788-2453	Bartholomew, Johnson & Shelby County Storm Water Pollution Prevention Training Program	7 hours	Michael Vernon Harding
Johnson Matthey	Maja Taylor (610) 341-3484	Six Sigma Green Belt Seminar	40 hours	Penelope Markatou
Jud Scott Consulting Arborist LLC	Jud Scott (317) 815-8733	Anatomy of a Tree Conflict!	1 hour	Jud Scott
		Trees and development- Reservation of trees during and after construction	1 hour	Jud Scott
		Ind. Law and negligence. Concerns @ designing w/trees?	1 hour	Jud Scott
KJWW Engineering Consultants	Patrice Accola	Educational Seminars	1 hour	Patricia Accola

		Project Management Development	8 hours	
Krannich Solar Training	Dessie Kirilova (856) 802-0991	1 Day Solar PV Site Assessment	7.5 hours	
		1 Day Intermediated PV	7.5 hours	
		1 Day Advanced PV	7.5 hours	
		1 Day Solar PV Project Development and Case Studies	7.5 hours	
KERAMIDA	Ann Reiter (317) 685-6600	Environmental Compliance in Challenging Economic Times----April 12, 2011	4.25 hours	Keith Baugues, John Mooney, Scott Alexander, Katherine Grgic, William Wagner, Paul Debenitzky, Mark Flick, Chad Sweeney, Pamela Fisher, Chris Harrell, Tom Lingafelter
		General Air Update		
		The Weight of Evidence if Favorable for Site Closure		
		OSHA's Focus for 2011 and Beyond; Why shoot for the star status in OSHA's Voluntary Protection Program?		
		EHS Bootcamps		
		Going Beyond Compliance to Reduce Your Potential for a Wastewater Exceedance		
		Sustainability and EHS Program Management		

		Pollution Prevention/Waste Minimization as Part of RCRA Compliance		
		The above courses were held during the 2011 Day at the Park ***April 27, 2011***	2.5 hours	Paul Dubenetzky Frank D. West Mark Flick Kristen Belcredi Douglas Zabonick
		EHS Workshop**May 9, 2012***	2.5 hours	
		2013 Day at the Park Workshop (4/13)	2.75 hours	Steve Sittler, P.G., C.P, Ashley Baugues, Mark Flick, Kathy Moore, Kristen Belcredi, PE, Christopher Heaton, Douglas Zabonick, PE, Brenda Mathews
Kevin McIlvaine	Mark Robbins (765) 620-1711	Concrete bridge deck preservation/concrete preservation with polymer modified cement slurry	1 hour	Kevin McIlvaine, Mark Robbins
Klingler Electrical Safety, LLC	John Klingler (812) 2409134	Electrical Safety and NFPA 70E ("High Voltage Safety Training")	8 hours	John Klingler
Lakes Environmental Software	Julie Swatson (519) 746-5995	2 Day AERMOD Air Dispersion Modeling Course	16 hours	Dr. Jesse The
Landmark Earth Solutions	David Keaffaber (317)306-6595	Green Solutions for Site Stabilization and Stormwater Compliance	1 hour	David Keaffaber, Doug Deem
		Temporary Flood Protection Barriers	1 hour	William Murphy
Lewellyn Technology, Inc.	Merry LeDune (812)847-3525	Electrical Safe Work Practices 1-Day Course	6 hours	Stephen Garstang
		Electrical Safe Work Practices 2-Day Course	12 hours	Roger Zieg

		2011 NEC	12 hours	Jay Smith
		Basic Industrial Electricity I	6 hours	Gary Schiltz
		Basic Industrial Electricity II	6 hours	Carl Schmidt
		Hands-On Electrical Troubleshooting I	6 hours	Bob Korenich
		Hands-On Electrical Troubleshooting II	6 hours	
		70E+Plus	18 hours	
Level Solutions	Stephen Little (317) 501-2900	Yaskawa- Motor & VFD System Issues in Commercial Applications	1 hour	Phil Landman
		Canatal-Precision Air Conditioning Fan Applications and Innovations	1 hour	Gerry Ball
		CGC-Hybrid Heat Pump Systems	1.5 hours	Raoul Gautreau
		SEMCO- Energy Recovery Systems and Wheels	1 hour	Tom Rice
		DDC (Direct Digital Controls) BASICS	4 hours	Joe Jackson
L.J. Fiesel Company	Steven Liescheidt (314)291-4892	Thermal Comfort: Fire Dampers; ERV: Air Measuring and Fans	3 hours	James Livingston, Weber Wu, Jim Aswegan
LMK Technologies, Inc	John Delich (815) 433-1275	ASTM 2561 Method of Lateral Lining from the Mainline, Including Mainline Connection	1 hour	John Delich
Lasater Institute, Inc.	William Scott Lasater (260) 602-5457	Lean Six Sigma Black Belt Training	144 hours	William Scott Lasater
		Lean Sigma Green Belt Training	104 hours	

		Lean Sigma Gold Belt Training	64 hours	
		The Power of Statistically Designed Experiments	24 hours	
		Advance Statistically Designed Experiments	24 hours	
Lorman Education Services	Michelle L. Shepherd	Understanding the Construction Bidding Process, live audio conference **July 28, 2011**	1.8 hours	Ira M. Schulman
M-COR Marketing	Matt Corley (317) 710-0183	Eban Iron- Restrained Joint Calculations and Product Specifications	1 hour	Matt Corley and Dennis Shumard
		CertainTeed- Restrained Joint PVC-Product Specification	1 hour	Matt Corley
		PVC Pipe- Do's and Don'ts	1 hour	Matt Corley
Manufacturers Education Council, Inc	Jana Lilly (614) 229-7790	Sustainability and Environmental Health & Safety Symposium	9.5 hours	
		22nd Annual Sustainability & Environmental Health & Safety Symposium *3/2013*	9.5 hours	
Marathon Petroleum Company	Kimberly Crame (313) 720-6908	Advanced Tanks PATH Environmental Course	24 hours	Rob Ferry
		Piping System Fundamentals **May 1-2 2012**	15 hours	George Stephens
		Piping System Assessment with Hydraulics (ASME EA-2-2009) **October 10-12, 2011**	24 hours	Jeff Sines
		Welding Technologies **February 8-9,2012**	12 hours	Bill Amend
		ASME B31.3 Process Piping **March 27-29, 2012**	19.5 hours	Glynn Woods

		Human Factors Engineering in Project Design and Execution **April 16-17, 2012**	16 hours	Donna Pruitt
McCoy and Associates, Inc	Liz Black (303)526-2674	3 Day RCRA course, In-House for Eli Lilly (2012)	21 hours	Paul Gallagher
Midwest Energy Association	John Gann (651) 289-9600 x 105	MEA Electric Operations Conference *** May 8-10, 2012***	1 hour ea	
Midwest Healthcare Engineering Conference	Lynn Locklear 317-713-1535	2014 Guidelines- Meeting Client's Needs	1 hour	Doug Erickson
		ASHE Update	1 hour	Tom Stewart
		When You Come to a Fork in the Road	1 hour	Tim Adams
		Qualifications & Training of Personnel Inspection & Testing of Fire Safety Features	1 hour	Frank VanOvermeiren
		The 5 Changing Spaces in Healthcare	1 hour	Terry Thurston
		AEDG for Large Hospitals: It's Not Just for New Buildings	1 hour	Jeff Boldt
		Changes to 2012 Life Safety Code Compared to Previous Editions	1 hour	John Grattendick
		Closing the Loop' - Managing your Medical Gas Systems for TJC and CMS	1 hour	Scott Lisec
		Old & New Environmental Infection control issues in Healthcare	1 hour	Pier-George Zanoni
		OR Air Delivery Design Factors Not Addressed by National Standards & Guidelines	1 hour	Steve McNattin
		Do You Really Know the Overall Condition of Your Building?	1 hour	Craig Scully
		Quality Steam for Sterilizers and Humidifiers	1 hour	Raymond Lach

		Energy Modeling Your Way to the Healthier Tomorrow	1 hour	Simon Possin
		Emergency Power for Hospitals	1 hour	David St. John
		Performance Measurement- Moving from "Required" to "Desired"	1 hour	Steve Spaanbroek
		Healthcare Facilities Management: Succession Planning	1 hour	Angela Timperio
		Infection Prevention, The Facilities Manager's Role	1 hour	Steve Spaanbroek
		Healthcare Facilities via Modular, On-Demand Boiler Systems	1 hour	Jason Smith
		ASHRAE Session - Lean Healthcare Design	1 hour	Jacob Synder
		Reducing Energy Cost in the Healthcare Environment	1 hour	John Duff
		Commissioning of New Eskenazi Health Replacement Hospital	1 hour	Mark Lehman
		IPD: A Research Based Approach- Did it Work?	1 hour	\
Midwest Water Group, Inc	Michelle Hoepner	Maintenance Flushing for Water Distribution System Quality	1 hour	Michelle Hoepner, Matt Bachhuber, John Hamaker
		Identify and Eliminate Manhole Chimney Inflow and Infiltration	1 hour	
Mike Holt Enterprises, Inc	Meghan Holt (888)632-2633	Changes to the NEC 2011, Articles 90-392, Part 1	8 hours	Mike Holt
		Changes to the NEC 2011, Articles 400-820, Part 2	8 hours	
		2011 Grounding vs. Bonding	8 hours	
		Understanding 2011 NEC Requirements for Solar PV Systems	16 hours	

Mine Ventilation Services, Inc.	Keith Wallace (559) 452-0182	Ventilation Planning and Design Workshop	24 hours	Keith G. Wallace
Motz Enterprises, Inc	Sean Stallo (513) 772-6689	Permanent Soil Stabilization	1 hour	Sean Stelle, Matthew Motz
Mueller Co.	Tim Quick (317) 777-1590	Leak Detection and Automated Flushing	1 hour	Tim Quick
NATGUN Corporation	Dan McVay or Jamie Frisbey (614) 777-9886	Construction Procedures of Prestressed Concrete Wire Wound Storage Tanks	1 hour	Dan McVay
National Technology Transfer	Cindi Wair (303) 957-4343	2011 National Electric Code	24 hours	
		NFPA 70E/Arc Flash Electrical Safety	16 hours	
		Programmable Logic Controls	24 hours	
		Air Conditioning, Refrigeration, and Heating Applications	35 hours	
		Uniform Plumbing Code	16 hours	
Nei Software, Inc	David Cordova (714)899-1220	Integrated Nastran and Femap Training (4 days)	32 hours	David Cordova
Newport Ventures, INC.	Marguerite Carroll (518)377-9410	Complying with ASHRAE 90.1-2007 Indiana's Commercial Energy Code	2 hours	J. Michael Carson; David Brignati



Northern Indiana ASHRAE	Louis van Belle (219)924-8400	Indoor Air Quality Product Evolution Discussion	1 hour	John McKissack
Northern Indiana ASHRAE		Energy Management in New and Existing Buildings: A Sustainable Activity	1 hour	Richard Pearson
Northern Indiana Public Service Company	Robert Marrs (219)325-4364	9900 Systems Operation Review	12 hours	
		9500 Emergency Tabletop Drill	15 hours	
		9100 Applying NERC Standards	18 hours	
		8008 Substations	2 hours	
		7516 Generation Control and Performance	4 hours	
		7514 Interconnection Operations	4 hours	
		7513 Transmission Control	4 hours	
		7510 Transmission & System Protection	4 hours	
		7509 Monitoring and Control	4 hours	
		7508 System Restoration	4 hours	
		7504 System Frequency and Tie-Line Control	4 hours	
		7503 System Voltage Control	4 hours	
		7502 Power Transmission	4 hours	
		2121 Supervisory Control System	4 hours	

		2115 Introduction to Static Relaying	4 hours	
		2114 Fault Investigation and Analysis	4 hours	
		2111 Protection for System Stability	4 hours	
		2109 Line Protection	4 hours	
		2105 Generator Protection	4 hours	
		1106 Voltage Control	2 hours	
		1101 Control Performance Compliance	4 hours	
		102 E-Grid Emergency Ops	4 hours	
		1103 HV, Trans, Safety & Power Ops	2 hours	
		Substation Equipment Course	6 hours	Walter Stine & Ed Gordon
		Black Start Simulation	12 hours	Walter Stine & Ed Gordon
		Underfrequency Load Shedding	8 hours	Walter Stine & Ed Gordon
		Power System Protective Relaying	6 hours	Walter Stine & Ed Gordon
		Power Plant Orientation	40 hours	Carl Jackson & Joel Heim
	Jeff Hamers 262-786-1287	Generating & Sustaining Efficient Boiler Energy	4 hours	Steve Conner
		**above training courses specifically for NIPSCO employees**		
Nucleus: Kentucky's Innovation Center	Mary Tapolsky (502)569-2059	Kauffman FastTra TechVenture	30 hours	Mary Tapolsky

Online Engineering Education, Inc	Dr. Omar Elsherif (201) 757-7385	Bridge Inspection	12 hours	
		Bridge Rehabilitation	6 hours	
		Design of Reinforced Masonry Structures	6 hours	
		Design of Wood Beams	4 hours	
		Forensic Structural Engineering	12 hours	
		Temporary Structures	8 hours	
Ozonía North America	John Hughes (201) 676-2525	Design Considerations of Ultraviolet Disinfection for Municipal Wastewater	1.5 hours	John Hughes
PDH Discount Store	Michael Masegian (775)335-6751	An Engineers Guide to Influencing Public Policy	3 hours	
		Asbestos Standard for the Construction Industry	5 hours	
		Basics of Passive Solar Heating	4 hours	
		Coatings and Paints	5 hours	
		Advanced Wastewater Treatment	5 hours	
		Engineering Ethics Case Study: The Challenger Disaster	3 hours	
		Ethics in Professional Practice	2 hours	
		Architectural Design: Fire Stations	3 hours	

		Building Design Specifications and Tools	3 hours	
		Design of Industrial Ventilations Systems	3 hours	
		Communication Systems for Medical Facilities	5 hours	
		Electrical Power Requirements for Buildings	3 hours	
		Architectural Design: Libraries	3 hours	
		Architectural Design: Golf Clubhouses	3 hours	
		Electrical Systems for Medical Facilities	5 hours	
		Ethical Issues from the Kansas City Hyatt Hotel Collapse	3 hours	
		Ethical Issues from the St. Francis Dam Failure	3 hours	
		Ethical Issues from the Tacoma Narrows Bridge Collapse	3 hours	
		Ethical Issues in Design-Build	3 hours	
		Ethics, Professionalism, and Disciplinary Actions: Case Studies	3 hours	
		Fire Protection Engineering for Buildings	3 hours	
		Heating and Cooling Distribution Systems	3 hours	
		HVAC Systems	5 hours	
		Implementing Design-Build in the Public Sector	5 hours	
		Interior Lighting Design	3 hours	
		Introduction to Solar Energy	4 hours	

		Low Impact Development	5 hours	
		Noise Control in Buildings	5 hours	
		OSHA Construction, Demolition, and Cleanup Safety Issues	6 hours	
		OSHA Fatal Facts: Fatalities Caused by Improper Work Practices	6 hours	
		Passive Solar Buildings	3 hours	
		Plumbing and Gas Systems for Medical Facilities	6 hours	
		Roofing Systems	5 hours	
		Solar Collectors for Heating and Cooling of Buildings	9 hours	
		Valve Fundamentals	4 hours	
		Sustainable Design for Buildings	3 hours	
PDHengineer.com	Ken Hudspeth (877)PDHengineer	Please refer to <a href="http://pdhengineer.com/">http://pdhengineer.com/</a> website for additional approved courses.		
		Laws, Rules and Ethics for Indiana Engineers	2 hours	Edward P. Brunet
		Professional Ethics for Engineers	1 hour	Edward P. Brunet
		Code of Ethics for Engineers	1 hour	Edward P. Brunet
		Engineering Disasters- Kansas City Catwalk	1 hour	Edward P. Brunet
		Ethics: Guidelines for Professional Conduct	1 hour	Tomas Orihuela
		Revisions for the 2008 National Electric Code Part 1	8 hours	Patrick Ouillette

		Revisions for the 2008 National Electric Code Part 2	7 hours	Patrick Ouillette
		Bearing Capacity of Shallow Footings	3 hours	Richard Weber
		Photovoltaic Power Systems	4 hours	Lee Layton
		Be a Successful Project Manager	7 hours	Randal Klein
		Geotechnical Engineering Basics for Non-Geotechnical Engineers	7 hours	Richard Weber
		Concrete Distress and Deterioration- Symptoms and Causes	2 hours	Tomas Orihuela
		Steel Beam Design	2 hours	Robert Nickols
		Introduction to Control Networks in an Industrial Setting	3 hours	Chet Barton
		The Electrical Transmission Grid	3 hours	Lee Layton
		Storm Water Detention- More Accurate Models Using Modified Rational & SCS Method	4 hours	Sammi May
		Open-Channel Hydraulics	4 hours	Robert Nickols
pdhlibrary.com	John Southard (352) 367-2526	****Please review website for additional courses- www.pdhlibrary.com*****		
		An Introduction to Fire Protection Engineering for Buildings	2 hours	
		AISC 360- 1- Standard- Erection and Fabrication	1 hour	
		An Introduction to Area Development Plans	2 hours	
		Code of Ethics for Engineers	1 hour	
		Ethics for Structural Engineers	1 hour	

		Ethical Issues from the Kansas City Hyatt Hotel Collapse	2 hours	
PDH SOURCE	Hisham N. Ashur, PhD, CQE; hisham@pdhsource.com; pdhsource.com	Air Pollution Control - Carbon Adsorption for VOCs	3 hrs	Dr. Harlan H. Bengtson
		Basics of Heat Transfer	3 hrs	Dr. Harlan H. Bengtson
		Breakaway Walls; Construction and Design	2 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Bridge Inspection	10 hrs	Mark P. Rossow, PhD, PE Retired
		Bridge Maintenance and Repair	6 hrs	Mark P. Rossow, PhD, PE Retired
		Building a Storm-Resistant Safe Room	4 hrs	Mark P. Rossow, PhD, PE Retired
		Capacity Planning Fundamentals	3 hrs	Richard "Dick" Grimes, CPT
		Centrifugal and Positive Displacement Pump Basics	3 hrs	Dr. Harlan H. Bengtson
		Concrete Methods and principles - Full 8 Hours Course	8 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Concrete Methods and principles - Segment 3	2 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Concrete Methods and principles - Segment 1	2 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Concrete Methods and principles - Segment 2	2 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Concrete Methods and principles - Segment 4	2 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Design of Small Water Systems	6 hrs	Dr. Harlan H. Bengtson
		Disinfection with Peroxone	2 hrs	Dr. Harlan H. Bengtson
		Domestic Wastewater Treatment Overview	3 hrs	Dr. Harlan H. Bengtson

		Energy Savers, Tips on Saving Energy & Money at Home	2 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Energy Storage for Solar and Wind Power	4 hrs	Mark P. Rossow, PhD, PE Retired
		Engineering Ethics Case Study: The Challenger Disaster	3 hrs	Mark P. Rossow, PhD, PE Retired
		Engineering Ethics- Ethics Guidelines fo Professional Conduct	1 hrs	Mark P. Rossow, PhD, PE Retired
		Engineering Ethics-NSPE Code of Ethics for Engineers	1 hrs	Mark P. Rossow, PhD, PE Retired
		Environmental Protection During Paint Removal	2 hrs	Mark P. Rossow, PhD, PE Retired
		Ethics in Professional Practice	2 Hrs	Mark P. Rossow, PhD, PE Retired
		Ethics in Professionalism, and Disciplinary Action: Case Studies	1 hrs	Mark P. Rossow, PhD, PE Retired
		Facilities Management	8 hrs	S. Bobby Rauf, PE Cem, MBA
		Flow Measurement in Pipes and Ducts	3 hrs	Dr. Harlan H. Bengtson
		Fluids Statics, Hydrodynamics and Hydraulic Machines	4 hrs	S. Bobby Rauf, PE Cem, MBA
		Fly Ash for Highway Engineers	6 hrs	Mark P. Rossow, PhD, PE Retired
		Foundry Sand Facts for Civil Engineers	5 hrs	Mark P. Rossow, PhD, PE Retired
		Fuel Cells-Green Power	3 hrs	Dr. Harlan H. Bengtson
		Fundamentals of Fluid Flow	6 hrs	Dr. Harlan H. Bengtson
		Fundamentals of Heat Exchangers	2 hrs	Dr. Harlan H. Bengtson
		Gravel Roads Maintenance and Design	8 hrs	Mark P. Rossow, PhD, PE Retired
		Guidelines for C&D Debris and Recycling	3 hrs	Mark P. Rossow, PhD, PE Retired



		Hazardous Waste Exclusion	3 hrs	Dr. Harlan H. Bengtson
		Hazardous Waste Identification	2 hrs	Dr. Harlan H. Bengtson
		Hydraulic Design of Storm Sewers with Excel	4 hrs	Dr. Harlan H. Bengtson
		Illicit Discharge Detection and Elimination in Storm Drains Manual - Part 1	5 hrs	Mark P. Rossow, PhD, PE Retired
		Illicit Discharge Detection and Elimination in Storm Drains Manual - Part 2	5 hrs	Mark P. Rossow, PhD, PE Retired
		Increasing Freeway Capacity by Using Safety Lanes as Travel lanes	7 hrs	Mark P. Rossow, PhD, PE Retired
		Introduction to Biofuels	3 hrs	Dr. Harlan H. Bengtson
		Introduction to Steel Design - Full 8 Hours course - Updated to AISC 14th edition	8 hrs	Dr. Harlan H. Bengtson
		Introduction to Steel Design - Design of Tension - Updated to AISC 14th edition	2 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Introduction to Steel Design - Basics - Updated to AISC 14th edition	2 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Introduction to Steel Design - Design of Compression Members and Beam - Updated to AISC 14th edition	2 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Introduction to Steel Design - Tension Members - Updated to AISC 14th edition	2 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Low Cost Traffic Engineering Improvements	1 hrs	Mark P. Rossow, PhD, PE Retired
		Managed Lanes: A Primer Course Overview	2 hrs	Mark P. Rossow, PhD, PE Retired
		Measuring Performance and Productivity	3 hrs	Richard "Dick" Grimes, CPT
		Metal Coatings	3 hrs	Mark P. Rossow, PhD, PE Retired
		Methods for Cleaning of Contaminated Soils Course Overview	4 hrs	Mark P. Rossow, PhD, PE Retired
		More Project Performance Secrets	4 hrs	Richard "Dick" Grimes, CPT

		Ocean Energy Technology	2 hrs	Mark P. Rossow, PhD, PE Retired
		Open Channel Flow 1 - the Manning Equation and Uniform Flow	2 hrs	Dr. Harlan H. Bengtson
		Ocean Channel Flow II - Hydraulic Jumps and Supercritical & Non-uniform Flow	2 hrs	Dr. Harlan H. Bengtson
		Open Channel Flow III - Sharp-Crested Weirs	2 hrs	Dr. Harlan H. Bengtson
		OSHA Asbestos Standard for the Construction Industry	5 hrs	Mark P. Rossow, PhD, PE Retired
		OSHA Construction, Demolition, and Cleanup Safety Issues	4 hrs	Mark P. Rossow, PhD, PE Retired
		OSHA Fatal Facts: Fatalities Caused by Improper Work	3 hrs	Mark P. Rossow, PhD, PE Retired
		Package Plants for Wastewater Treatment	1 hrs	Dr. Harlan H. Bengtson
		Pedestrian and Bicyclist Safety and Mobility	5 hrs	Mark P. Rossow, PhD, PE Retired
		Photovoltaic Fundamentals	6 hrs	Dr. Harlan H. Bengtson
		Pipe Flow-Friction Factor Calculations with Excel	3 hr	Dr. Harlan H. Bengtson
		Ponds - Planning, Design, and Construction	6 hrs	Dr. Harlan H. Bengtson
		Principles of Steel Design - 8 hrs	8 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Principles of Steel Design - ASD and LRFD Design Review of Beam-Columns and Connections	4 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Principles of Steel Design -- Introduction to ASD and LRFD Design Concepts	4 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Pumping System Performance Improvement	5 hrs	Dr. Harlan H. Bengtson
		Reconstruction Standards for Historical Buildings	2 hrs	Dr. M. Al Nara, PhD, PE, CPESC
		Recurring Traffic Bottlenecks: A Primer Course	2 hrs	Mark P. Rossow, PhD, PE Retired

		Reducing Post Project Blues !!!	2 hrs	Richard "Dick" Grimes, CPT
		Residential Deck Construction	3 hrs	Mark P. Rossow, PhD, PE Retired
		Safety Concerns in Coating and Painting Operations	1 hrs	Mark P. Rossow, PhD, PE Retired
		Silica Exposure in Sandblasting, Construction and Other Occupations	2 hrs	Mark P. Rossow, PhD, PE Retired
		Solar Energy Fundamentals	4 hrs	Dr. Harlan H. Bengtson
		Strategic Maintenance Management 101 : An Introduction to What,Why, and How	6 hrs	Richard "Dick" Grimes, CPT
		Stream Restoration	7 hrs	Dr. Harlan H. Bengtson
		Supply Chain Management	2 hrs	Richard "Dick" Grimes, CPT
		Valve Fundamentals	4 hrs	Dr. Harlan H. Bengtson
		Wind Engineering Fundamental Engineering Concepts and Design	8 hrs	Dr. Harlan H. Bengtson
		Wind Engineering : Basic Wind Loads on Structures	4 hrs	Dr. M. Al Nara, PhD, PE, CPESC
Pexgol North American- Greg Gecewicz	Paul Schoelwer-Thaman (708) 446-2547	Introduction to Large Diameter Pex Pipe	1 hour	Greg Gecewicz Paul Schoelwer
Power & Communication Utility Training Center	Allen L. Clapp (919) 782-4700	Major Changes in the 2012 National Electrical Safety Code	4.5 hours	Allen L. Clapp B. Dagenhart Gardner
		Introduction to Application of the National Electrical Safety & Grandfather Clause	3.0 hours	John Matt

		Introduction to NESC Grounding Requirements	projected 2.0 hours	
		Introduction to NESC Underground Requirements	projected 2.0 hours	
		Introduction to NESC Work Rules	projected 4.0 hours	
		NESC Clearances & Grounding for Power & Communications, 3.5 day, DA-1	24 hours	
		NESC Clearances & Grounding for Power & Communications, 2.5 day, DA-1	17 hours	
		Clearances & Grounding for Rules for Joint-Use Overhead Lines, 2.5 day, DA-2	17 hours	
		Joint-Use Overhead Line Clearances and Inspection, 1.5 day, DA-3	9.5 hours	
		Clearances Rules for Joint-Use Overhead Lines, 1.5 day, DA-3-CC	8.0 hours	
		Investigating & Documenting Accidental Public Contacts with Power & Communication , Utility Facilities, 3.5 day UPCA-1	24.0 hours	
		Investigating & Documenting Accidental Public Contacts with Power & Communication , Utility Facilities, 2.5 day UPCA-1	17 hours	
		Investigating & Documenting Accidental Public Contacts with Power & Communication , Utility Facilities, 1.5 day UPCA-1	10 hours	
		Investigating Utility Accidents Involving Public Contact, 1.0 day, UPCA-1	6.5 hours	

		Joint-Use Week, JW1, 5.0 days	34.4 hours	
		Structures Week, SW1, 5.0 days	34.4 hours	
		Strengths & Loadings for Wood Pole Utility Lines, SL-2, 3.0 day	20.7 hours	
		Physical Design of Joint-Use wood Pole Utility Lines, SL-2, 2.5 day	17.0 hours	
		Physical Design of Joint-Use wood Pole Utility Lines, SL-2, 2.0 day	13.7 hours	
Princeton Groundwater, Inc.	Dr. Robert Cleary (813)964-0800	The Groundwater Pollution and Hydrology Course ***July 11-15, 2011 & July 25-29, 2011***	35 hours	Robert Cleary Michael C. Kavanaugh Richard P. Brownell Murray D. Einarson John A. Cherry Bernard H. Kueper David B. Kaminski Gregory J. Rorech
		The Remediation Course ***October 24-28, 2011***	31.66 hours	
Professional Education Services Company	Nick Georgalis (216) 401-5326	Analytical Economics	6 hours	Nicholas Georgalis
		Obtaining a Patent	6 hours	
		Quality Engineering	3 hours	
		Intelligent Transportation Systems	3 hours	Nicholas Georgalis

		Pumps- Basic Applications	3 hours	Frank D Booth
		Fiber Optic Telecommunications Systems	3 hours	Nicholas Georgalis
		Ethics and Economics	3 hours	Nicholas Georgalis
		Light Emitting Diode Theory and applications	3 hours	Michael Georgalis Nicholas Georgalis
		Fundamentals of Hydraulics	3 hours	Frank D. Boothe Jr P.E. (Dan), Mary Sue Boothe MA
		Mathematics of Green Energy	1 hour	Nicholas Georgalis
		Water Conveyance and Pumping Stations	2 hrs	Craig Moskowitz,MBA, PE; Nick Georgalis, MSEE, PE
Pumping Solutions, Inc	Jennifer Shoemaker (708) 272-1800	Centrifugal Pump Fundamentals 101	3.5 hours	Jim Elsey
		Mechanical Seal Fundamentals	3.5 hours	AC Watts; George Gregorowicz
QAI	John Vandenbemden (317)202-9000	RABQSA Certified ISO9001 Lead Auditor Course	32 hours	John Vandenbemden
		RABQSA Certified ISO9001 Lead Auditor Course	16 hours	
		RABQSA Certified ISO14001 Lead Auditor Course	32 hours	
		RABQSA Certified OHSAS 8001 Lead Auditor Course	32 hours	
		RABQSA Certified Combined ISO14001 & OHSAS 8001 Lead Auditor Course	40 hours	
		Six Sigma Green Belt Workshop	72 hours	
		Six Sigma Black Belt Workshop	112 hours	

		Lean Principles	32 hours	
Quality Environmental Professionals, Inc	Ann Luther (317) 351-4255	What's Up in the Air	1 hour	Paul Dubenetzky
Raasch Engineers & Architects	Christopher DeWaal (920) 434-2128	Arc Flash Hazard Training	4 hours	Christopher DeWaal, Ronald Daniel
Raytheon	Marcilene Pribonic (520)746-2180	Engineering and Architecture Technology Network Symposium ***July 18-21, 2011**	28 hours	
Redvector	Kyla Forsyth (813)207-0012	Advanced Storm water Treatment: Design	3 hours	Mark Reinsel
		Biofilters: A Natural Approach to Storm Water Pollutant Removal	2 hours	Mark Peterson
		Concrete 1: Evaluation and Causes of Damage	1 hour	David Chitester
		Concrete 2: Repair Planning and Preparation	1 hour	David Chitester
		Concrete 3: Methods, Materials and Maintenance	2 hours	David Chitester
		Concrete Pavement Rehabilitation – Full Depth Repair	2 hours	Mark Peterson
		Concrete Pavement Rehabilitation – Partial Depth Repair	1 hour	Mark Peterson
		Concrete: Self-Consolidating (SCC)	1 hour	Jeff Brim
		Ethical Decision Making for Engineers #2	1 hour	David Chitester
		Ethical Decision Making for Engineers #3	1 hour	David Chitester

		Green Building: Commercial High Performance Guidelines Part 1	5 hours	Andrew Manzini
		Green Building: Commercial High Performance Guidelines Part 2	4 hours	Andrew Manzini
		Green Design: Introduction to Indoor Environmental Air Quality	3 hours	Richard Kelso
		Green Design: Introduction to Sustainability and Measurement Systems	1 hour	Richard Kelso
		Green Design: Introduction to Sustainable Design Materials and Resources	3 hours	James Rose
		Green Design: Introduction to Sustainable Site	1 hour	Ted Shelton
		Green Infrastructure 1: Introduction to High Performance Guidelines	2 hours	Andrew Manzini
		Green Infrastructure 2: Best Practice for Site Assessment	1 hour	Andrew Manzini
		Green Infrastructure 6: Best Practices for Storm water Management	3 hours	Andrew Manzini
		LEED Certification and Green Building: An Introduction	1 hour	Kent Holland
		Masonry Design: Installation and Workmanship	4 hours	Christine Beall
		Masonry Design: Natural Stone	1 hour	Christine Beall
		Masonry Design: Structural Masonry	2 hours	Christine Beall
		Membrane Filtration - Part 1: Process, Products & Materials	1 hour	Mark Peterson
		Membrane Filtration - Part 2: System Components & Pumps	1 hour	Mark Peterson
		Parking Lot Storm Drain Design	2 hours	Mark Peterson
		Residential Green Building: Design, Construction and Accreditation	4 hours	Andrew Manzini
		Storm water Harvesting: A Green Concept	3 hours	Mark Peterson



		Storm water Management: An Introduction	2 hours	Mark Reinsel
		Storm water Management: low Impact Development (LID)	3 hours	Mark Peterson
		2011 NEC Code Change Articles 200-280	2 hours	Ralph Page
		Achieving LEED Credits in New Construction Projects (6 hours)	6 hours	Andrew Manzini
		Asphalt Pavement - Design Basics	2 hours	Mark Peterson
		Basic Civil Engineering - Culvert Design 1	1 hours	John Herrick
		Basic Civil Engineering - Culvert Design 2	1 hours	John Herrick
		Basic Civil Engineering - Sewage Treatment	1 hours	John Herrick
		Basic Civil Engineering - Sewers and Sewerage	1 hours	John Herrick
		Basic Civil Engineering - Sewers and Sewerage 2	1 hours	John Herrick
		Basic Civil Engineering - Water Distribution 1	1 hours	John Herrick
		Basic Civil Engineering - Water Distribution 2	1 hours	John Herrick
		Basic Civil Engineering - Water Supply	1 hours	John Herrick
		Centrifugal Pumps - Components, Operation and Energy Conversion	1 hours	David Chitester
		Chemical Engineering: Basics of Industrial Heat Transfer	1 hours	Christopher Haslego
		Chemical Engineering: Cooling Towers, Design & Operation	2 hours	Christopher Haslego
		Clean Energy: Recycled Energy Technologies	2 hours	David Chitester
		Commercial Building MEP Design	1 hours	Jim Taube

		Concrete Fundamentals II - Concrete Slab On Grade (1 hours)	1 hours	Jeff Brim
		Concrete Fundamentals: An Introduction	2 hours	Jeff Brim
		Earth Dynamics: Geothermal Energy	2 hours	Donna Rona
		Electric Power Course 1: Basics	1 hours	George Loehr
		Electric Power Course 2: Grids, Control Areas & VARs	1 hours	George Loehr
		Electric Power Course 3: Transfers & the New Structure of the Industry	1 hours	George Loehr
		Green Building with Steel - Part 3: Light Gauge Metal Components for Framing	2 hours	Andrew Manzini
		Green Building with Steel - Part 4: Framing With Steel Studs	3 hours	Andrew Manzini
		HVAC Systems and Indoor Air Quality	2 hours	Dale Fage
		Instrumentation and Control: Detectors & Position Indicators	4 hours	David Chitester
		Inventory Management for Engineers	1 hours	Fikry Markos
		LEED for Existing Buildings: Operations & Maintenance Rating System	1 hours	Andrew Manzini
		Micropiles: Introduction, Classifications & Applications (1 hours)	1 hours	Mark Peterson
		Parking Lots - Surface Lot Functional Design (1 hours)	1 hours	Mark Peterson
		Performing MEP Commercial Building Surveys	1 hours	Jim Taube
		Petroleum: Oil and Gas Drilling Technologies	1 hours	David Chitester
		Petroleum: Waste Minimization in the Oil Field	3 hours	David Chitester
		Power Cycle Components & Processes Analysis	1 hours	Gordan Feric

		Retaining Wall Design - Part 1	2 hours	Rob Oleck
		Retaining Wall Design - Part 2	2 hours	Rob Oleck
		Site Utility Design: Commercial Buildings	2 hours	Jim Taube
		Transportation System Funding	2 hours	Rumanda Young
		Underground Natural Gas Storage: Basics	1 hours	David Chitester
		Wood Design: Behavior of Structures Under Loads & Forces	3 hours	Donald Breyer
		Indiana Engineers Laws and Rules	2 hours	David Chitester
Regensis	Lori Muggee (949)366-8000	Combining ISCO & Enhanced Recovery Techniques for Petroleum Hydrocarbon Treatment	1 hour	Craig Sandefur
		Ensuring Success with Appropriate Characterization Tools	1 hour	Bruce Tunnicliffe
		Vapor Intrusion Webinar	1 hour	Blayne Hartman
RejuvTec, Inc	Brock Brown (317)241-9023	The Road to Savings: Pavement Preservation for Politicians and Supervisors	2 hours	Brock Brown; Steve Moore
Rike Services	Jime Rike (985) 350-6101	Petroleum Pumps	30 hours	
		Petroleum Compressors	30 hours	
Rinker Materials (Cemex)	John Susong/Allen Squires (317)769-5801	Reinforced Concrete Pipe/Box Design and Applications	1 hour	John Susong/Allen Squires

		Stormceptor Stormwater Quality Presentation	1 hour	Daniel Thomson
		PSCWMMsc Continuous Simulation Modeling: Hands on training (Typical applications)	1 hour	
		PSCWMMsc Continuous Simulation Modeling: Hands on training (Site Specific applications)	1 hour	
Road Fabrics	Kevin McIlvaine (317) 268-3075	The use of geogrid in pavement design	1 hour	Kevin McIlvaine
		The use of geosynthetics in pavement maintenance	1 hour	
	Jack Schmitt	Pavement Interlayers Extend Service Life	1 hour	Jack Schmitt
		Creating Asphalt Pavements to Last the Test of Time	1 hour	Chad Crimmins
		Asphalt Interlayers-Proper Uses and Construction Procedures	1 hour	Paul Schaus
RW Armstrong University	Gabe Peters (317)786-0461	Auto CAD 101 (1/12, 4/5, 7/5, 10/12)	2 hours	Keith Yheulon
		Auto CAD 102 (1/18, 4/13, 7/13, 10/20)	2 hours	
		Auto CAD 103 (1/26, 4/19, 7/19, 10/26)	2 hours	
		Auto CAD 201 (2/9, 5/10, 8/10, 11/9)	2 hours	
		Auto CAD 202 (2/16, 5/17, 8/18, 11/15)	2 hours	
		The Art of Effective Delegation	3.5 hours	Deseri Garcia
SAE International	Rachel Unterbrink (248) 273-2469	The below list is a sample of approved courses. Please refer to the website for additional courses: <a href="http://www.SAE.org">www.SAE.org</a>		

		92054-The Role of the Expert Witness in Product Liability Litigation	10 hours	Russell Levine Seyboldt	Charles
		99003- Engineering Project Management	13 hours	Angelo Mago Eric Timmis	
		C0608-Managing Engineering & Technical Professionals	20 hours	James Masiak Joseph Doyle	
		C0828-Principles of Cost & Finance for Engineers	20 hours	Murray Sittsamer Bardasz	Ewa
		88007 Patent Law for Engineers	7 hours	Bill Walker Paul Belanger	John-
		C0410-Leading High Performance Teams	13 hours	Mark Malburg Kevin Zielinski	
		C0620- Strategic Leadership	20 hours	Wes Fulton Alex Porter	
		82001-Product Liability & the Engineer	10 hours	Paul Kurowski Lee Dawson Haughey	Bill
SCS Engineers	M. Jean Webb (513) 421-5353 ext 110	Business Standards and Ethics	1 hour	Mark Huber and or Richard Spencer	
SE Solutions, LLC (SE University by SE Solutions)	Lisa Willard (616) 546-9420	Case Study for Wood Design: Five Story Mixed-Use Over Two Story Below-Grade Parking	1.5 hours	Ross Turner Scott Walkowicz Christopher Raebel	
		Floor Vibrations Due To Human Activies	1.5 hours	Lisa Willard Doug Fitzpatrick	
		Masonry Building Design An Overview of Masonry Building Design Methods	1.5 hours		
		Interoperability Using Analysis Software with BIM Tools	1.5 hours		
		Conflict Resolution: An Introduction for Engineers	1 hrs	Kyle Twitchell, PE; Robert Silman Associates	
		Designing with Open Web Steel Steel Joist and Joist Griders: An Introduction	1.5 hrs	Perry Green, PhD, PE; Bechtel Power Corporation	
		Using Open Web Steel Joists and Joist Griders in the Design of Lateral Load Resisting Frames	1.5 hrs	Perry Green, PhD, PE; Bechtel Power Corporation	

		Designing Issues when Specifying Open Web Steel Joist and Joist Griders	1.5 hrs	Perry Green, PhD, PE; Bechtel Power Corporation
		Increasing Your Efficiency with Revit Structure: Creating Custom Component Families	1 hrs	Elizabeth "Betsy" Werra, EIT
		Special Inspections in the IBC Building Code	1.5 hrs	Otto Schwarz, PE, SE; Ryan-Biggs Associates, PC
		Engineering Ethics: A Case Study on the Kansas City Hyatt Hotel Collapse	2 hrs	J. Paul Guyer, PE, RA; Guyer Partners
		Increasing Your Efficiency with Revit Structure: Navigating in Revit Structure-Tips for the Periodic User	1 hrs	Elizabeth "Betsy" Werra, EIT
		Force Transfer Around Openings for Wood Shear Walls	1.5 hrs	Karyn Beebe, PE; APA - The Engineered Wood Association
Safe Teach Global	Mike Gibson (502) 741-3144	Leadership-The Key to World Class Safety	4 hours	Mike Gibson
Safe Technology Ltd	Wendy Vaughn +44 (0) 114 268 6444	Developing a Design Process for Durability	8 hours	John Draper
		Modern Metal Fatigue Analysis	16 hours	Sandy Eyl
		Practical fe-safe software Training	16 hours	
Sanexen Environmental Services	Luc Lupien (734) 778-9209	Water Main Rehabilitation using CIPP	2 hours	Luc Lupien
Sargent & Lundy, L.L.C	Paula Scholl (312) 26-6645	Cable and Bus Duct Low Voltage Power Cable Selection Parts 1 & 2	2 hours	Robert Dahlgren
		Structural Steel Connections Part 1 & 2	2 hours	Khaled Ata
		Power Plant Fundamentals: Electrical Systems	1 hour	Gayland Bloethe

		Single Line Diagram Engineering	1 hour	Brian Cleary
		Setpoint Calculations	1 hour	William Barasa
		Plumbing Overview	3 hours	Brian Krameric
		Introduction to Deep Piles: Part 1	1 hour	Tom Hubalik
		Introduction to Flue Gas and Air Ductwork	1 hour	Mike Gilbert
		Building Steel Community of Practice	1 hour	Todd Bohnsack
		Fukushima Tier 1, 2, and 3 NRC Orders and 50.54 (f) Requests Community of Practice	1 hour	A.K. Singh
Schweitzer Engineering Laboratories, Inc	Darin Johnson (509) 334-8037	The below list is a sample of approved courses. Please refer to the website		
		Protecting Power Systems for Technicians	21 hours	
		Power System Fundamentals for Engineers	28 hours	
		Protecting Power Systems for Engineers	35 hours	
		Distribution System Protection	21 hours	
		Industrial Power System Protection	28 hours	
		Transmission Line Protection	21 hours	
		Generation System Protection	21 hours	
		Substation Equipment Protection	21 hours	
		SEL-387 and SEL-587 Percentage-Restrained Differential Relays	14 hours	

		SEL-300G Generator Relay	14 hours	
		SEL-311L Line Current Differential Relay	14 hours	
		SEL-351 Directional Overcurrent and Reclosing Relay	14 hours	
		SEL-421 Protection, Automation, and Control System	21 hours	
		SEL-487B Bus Protection Relay	14 hours	
		SEL-487E Transformer Differential Protection Relay	21 hours	
		SEL-487V Capacitor Protection and Control System	14 hours	
SEA	John F. Wiechel (614) 888-4160	Biomechanics of Injury	2 hours	John Wiechel, Sandra Metzler, Brian Tanner, Doug Morr, Brian Boggess, David Stobbe
		Engineering Ethics I	1 hour	Dennis Guenther, John Wiechel, Sandra Metzler, Brian Tanner, Ashley Dunn, Doug Morr,C. Brian Tanner, Nick Eiselstein, Sean Doyle, Elaine Castro, Fawzie Bayan, Anthony Cornetto, R. Torry Roberts, Brian Boggess, David Stobbe, James Whelan, James Nicoli



		Engineering Ethics II	1 hour	Dennis Guenther, John Wiechel, Sandra Metzler, Brian Tanner, Ashley Dunn, Doug Morr,C. Brian Tanner, Nick Eiselstein, Sean Doyle, Elaine Castro, Fawzie Bayan, Anthony Cornetto, R. Torry Roberts, Brian Boggess, David Stobbe, James Whelan, James Nicoli
		Engineering Ethics III	1 hour	Dennis Guenther, John Wiechel, Sandra Metzler, Brian Tanner, Ashley Dunn, Doug Morr,C. Brian Tanner, Nick Eiselstein, Sean Doyle, Elaine Castro, Fawzie Bayan, Anthony Cornetto, R. Torry Roberts, Brian Boggess, David Stobbe, James Whelan, James Nicoli
		Engineering Ethics IV	1 hour	Dennis Guenther, John Wiechel, Sandra Metzler, Brian Tanner, Ashley Dunn, Doug Morr,C. Brian Tanner, Nick Eiselstein, Sean Doyle, Elaine Castro, Fawzie Bayan, Anthony Cornetto, R. Torry Roberts, Brian Boggess, David Stobbe, James Whelan, James Nicoli

		Elasticity & Strength of Materials	2 hours	Dennis Guenther, John Wiechel, Sandra Metzler, Brian Tanner, Ashley Dunn, Doug Morr,C. Brian Tanner, Nick Eiselstein, Sean Doyle, Elaine Castro, Fawzie Bayan, Anthony Cornetto, R. Torry Roberts, Brian Boggess, David Stobbe, James Whelan, James Nicoli
		Factors of Safety	2 hours	Dennis Guenther, John Wiechel, Sandra Metzler, Brian Tanner, Ashley Dunn, Doug Morr,C. Brian Tanner, Nick Eiselstein, Sean Doyle, Elaine Castro, Fawzie Bayan, Anthony Cornetto, R. Torry Roberts, Brian Boggess, David Stobbe, James Whelan, James Nicoli
		Forklift Injury Biomechanics	2 hours	John Wiechel, Sandra Metzler, Brian Tanner, Doug Morr, Brian Boggess, David Stobbe
		Forklift OSHA Training	3 hours	Dennis Guenther, John Wiechel, Sandra Metzler, Brian Tanner, Ashley Dunn, Doug Morr,C. Brian Tanner, Nick Eiselstein, Sean Doyle, Elaine Castro, Fawzie Bayan, Anthony Cornetto, R. Torry Roberts, Brian Boggess, David Stobbe, James Whelan, James Nicoli
		Introduction to Forensic Engineering	1 hour	James Nicoli

		Keys and Couplings	2 hours	Dennis Guenther, John Wiechel, Sandra Metzler, Brian Tanner, Ashley Dunn, Doug Morr,C. Brian Tanner, Nick Eiselstein, Sean Doyle, Elaine Castro, Fawzie Bayan, Anthony Cornetto, R. Torry Roberts, Brian Boggess, David Stobbe, James Whelan, James Nicoli
		Physics of Biomechanics	2 hours	John Wiechel, Sandra Metzler, Brian Tanner, Doug Morr, Brian Boggess, David Stobbe
		Splines & Pins	2 hours	Sandra Metzler, Brian Tanner, Ashley Dunn, Doug Morr,C.
		Thick-walled Pressure Vessels	2 hours	Sandra Metzler, Brian Tanner, Ashley Dunn, Doug Morr,C.
		Water Infiltration	1 hour	James Nicoli
Sealing Systems, Inc	Pam Sawatzke (763)478-2057	How to Identify and Eliminate Manhole Chimney Area Leakage	1.5 hours	William Goff, Dan Van Dam
SE Solutions, LLC	Lisa Willard (616)546-9420	Implementing a Software Error Reduction Plan (SERP) for your Company	1.5 hours	Lisa Willard, PE
		AISC 360-05 Implementation in RAM Frame – Critical Items	1.5 hours	Ann Marie Garko-Hill, PE
		Improving how Structural Engineers can Review Steel Shop Drawings.	1.5 hours	Brian Quinn, PE,
		Understanding ACI Appendix D – Anchorage for Cast-in-Place and Post-Installed Anchors (PART 1)	1.5 hours	Mark Bartlett, PE
		ACI Appendix D – Anchorage for Cast-in-Place and Post-Installed Anchors (PART 2)	1.5 hours	Mark Bartlett, PE
		Understanding the Direct Analysis Method in the AISC 13 <sup>th</sup> Edition	1.25 hours	Jason Ericksen, PE - CSC, Inc.

		BIM Software - Integrating RAM Structural System with Revit Structure	1.25 hours	Sam Rubenzer, PE, SE – FORSE Consulting
		BIM Software - Integrating RISA Building System with Revit Structure	1.25 hours	Matt Brown, PE – RISA Technologies
		Improving your Written Communication Skills as a Structural Engineer	1.5 hours	Normile, PE - Keast & Hood, Matthew Rechten, PE - Clark
		Key Considerations for the Attachment of Facades to Structures	1.5 hours	James Parker, PE, SE – Simpson Gumpertz & Heger
		Managing Multiple Priorities; Improving your Time Management Skills as a Structural Engineer	1.5 hours	Jon Stigliano – Strategic Solutions Group
		Legal Issues in Integrating BIM into your Office	1.5 hours	– Ames & Gough, David Odeh, PE – Odeh Engineers
		Design of Buildings to Resist Progressive Collapse: Revised DoD UFC 4-023-03	1.5 hours	Protection Engineering Consultants
		Understanding Steel Connections, Including Seismic R=3	1.5 hours	Steve Ashton, PE, SECB – Ashton Engineering and Detailing
		Practical Steel Seismic Connections (R>3 part 1)	1 hour	Kevin Moore, SE – Certus Consulting
		Practical Steel Seismic Connections (R>3 part 2)	1 hour	Kevin Moore, SE – Certus Consulting
		Understanding Dynamic Analysis	1.5 hours	Sam Rubenzer, PE, SE – FORSE Consulting
		Being Successful in your Firm; 6 Important Steps to Help you and Your Company	1.5 hours	CPC – Powerful Purpose Associates
		Creating a Proper Analytical Model in Revit Structure	1 hour	Elizabeth "Betsy" Werra
		Creating Standard Template Files for Revit Structure	1 hour	Elizabeth "Betsy" Werra
		Revit Structure Families....Need I say more!	1 hour	Elizabeth "Betsy" Werra
		How Revit Extensions for Autodesk Revit Structure can Help Improve Productivity	1 hour	Elizabeth "Betsy" Werra
		Creating Construction Documents Using Revit Structure	1 hour	Elizabeth "Betsy" Werra
		Collaborating your Revit Structure Model with the entire design team	1 hour	Elizabeth "Betsy" Werra

		SEU BIM Forum: Best Practices for BIM Infrastructure	1 hour	Dave Pluke
		Design of Tilt-Up Wall Systems	1.5 hours	John Ashbaugh, Greg Riley
		SEU BIM Forum: What's new in Revit Structure 2012	1 hour	Elizabeth "Betsy" Werra
		Geotechnical Considerations for Structural Engineers	1.5 hours	Jean Locsin, Ehsan Kianirad,
		Ethics; A Case Study for Structural Engineers	1.5 hours	W.M. Kim Roddis
		Seismic Considerations for Non-Structural Elements	1.5 hours	Scott Campbell, Doug Steimle
		SEU Legal Forum- Malpractice: A Tort Primer for Structural Engineers	1 hour	Matthew Rechtien
		Understanding and Detailing for Wood Shrinkage	1.5 hours	
		More on Creating Revit Structure Families in Revit Structure 2012	1 hour	Elizabeth "Betsy" Werra
		Interpersonal Communication for Structural Engineers	1.5 hours	Jon Stigliano
		Creating Trusses in Revit Structure 2012	1 hour	Elizabeth "Betsy" Werra
		Diaphragm Considerations for Structural Engineers	1.5 hours	Allen Adams
		Best Practice for Modeling Diaphragms	1 hour	Allen Adams
		ASCE7-10 General Seismic Design Requirements for Buildings	1.5 hours	John Hooper
		Accurate Long-Term Deflection Predictions for Concrete Structures	1.5 hours	Jonathan Hirsch
		SEU BIM Forum: Collaboration with Revit Structure - Worksharing	1 hour	Betsy Werra
		Overview of Cold-Formed Steel Design	1 hour	Roger LaBoube
		Cold-Formed Steel Design, Design Standards, Part I	1.5 hours	Roger LaBoube

		Cold-Formed Steel Design, Design Standards, Part 2	1.5 hours	Roger LaBoube
		SEU BIM Forum: Increasing your Efficiency with Revit Structure: 3D Elements	1 hour	Elizabeth "Betsy" Werra
		To Do or Not To Do: Engineering Ethics	1 hour	Matthew Rechtien
		Structural Inspections After an Earthquake: Case Studies from Mineral, VA event	1.5 hours	Matthew Daw and Matthew Farmer
		ASCE7-10: Modifications to Wind Loading Requirements **May 9, 2012**	1.5 hours	Jason Ericksen
		SEU BIM Forum: Increasing your Efficiency with Revit Structure: 2D Elements **May 23, 2012**	1.5 hours	Betsy Werra
		Fundamentals of Blast Design **June 13, 2012**	1.5 hours	Ed Conrath
		Increasing your Efficiency with Revit Structure: 2D Elements *2013*	1 hour	Elizabeth "Betsy" Werra
		How to Read and Understand a Geotechnical Report *2013*	1.5 hours	William Kwasny
		Behavior, Analysis and Design of Post-Tensioned Floors *2013*	1.5 hours	Jonathan Hirsch
		Practical Design of Post-Tensioned Floors *2013*	1 hour	Jonathan Hirsch
		ACI Appendix D – Updates for ACI 318-11 *2013*	1.5 hours	Mark Bartlett, PE
SGS	Gundrun Neumann +4989787475216	Automotive Functional Safety Professional-AFSP, Modules K2-K7	32 hours	
Shannon & Wilson, Inc	Debbie Johnson (206) 695-6773	2011 Shannon & Wilson Winter Training: ASFE Staff Management Skills **January 21-22, 2011**	12 hours	Anne Smith and or Gordon Culp
		2011 Shannon & Wilson Winter Training: Corporate Health & Safety Seminar **January 21-22, 2011**	4 hours	Murray Meierhoff

		A Question of Ethics: A Design-Build Conundrum	1 hour	Wendy Mathieson
		2013 Shannon & Wilson Winter Training: Client Services Seminar 2/8/13 *3/2013*	2.5 hours	Steven R. Walker
		2013 Shannon & Wilson Winter Training: Loss Prevention Seminar 2/8/13 *3/2013	1 hours	Matthew Hemry & Michael Dodd
		2013 Shannon & Wilson Winter Training: Corporate Health & Safety Seminar 2/9/13 *3/2013*	.75 hours	William Hultman & Joseph Laprade
		2013 Shannon & Wilson Winter Training: Session 1- Hydrogeology on 2/9/13 *3/2013*	1 hour	Larry West
		Natural Resources Rivers & Floodplains 2/9/13 *3/2013*	1 hour	David Cline
		2013 Shannon & Wilson Winter Training: Data Management and GIS 2/9/13 *3/2013*	1 hour	Monique Anderson
		2013 Shannon & Wilson Winter Training: Environmental on 2/9/13 *3/2013*	1 hour	Scott Gaulke
		2013 Shannon & Wilson Winter Training: 5- Hydrogeology 2/9/13 *3/2013*	1 hour	Larry West
Shermco Industries	James White (972) 793-5523	Electrical Safety for Utilities	8 hours	James White
		Electrical Safety for Qualified Electrical Workers	20 hours	Stephen Hester
		Electrical Safety Refresher	8 hours	Craig Nelson
Sherwin-Williams Co	Troy Fraebel (859)552-7027	OTC-VOC Regulations (OTC908)	1 hour	Troy Fraebel
	Bruce Snyder (317)594-0083ext108	Municipal Infrastructure Lining and Rehabilitation	1 hour	Bruce Snyder; Troy Fraebel; Tony Ippoliti
	Brian Earley (317)594-0083ext108	New Options for Coating Water and Wastewater Treatment Plants	1 hour	Bruce Snyder; Troy Fraebel;
		Introduction to Surface Preparation of Steel and other Metals	1 hour	Troy Fraebel, Bruce Snyder

		Introduction to Surface Preparation of Concrete	1 hour	Troy Fraebel, Bruce Snyder
		Introduction to Surface Preparation of Steel and Concrete (Abbreviated version of above)	1.5 hour	Troy Fraebel, Bruce Snyder
		Priming and Painting Slip Critical Steel Connections	1.5 hours	Troy Fraebel
		Generic Classifications of Coatings: Industrial Paint & Coating Basics	1.5 hours	Troy Fraebel
		Paint & Coating Inspection	1 hour	Troy Fraebel
		Secondary Containment and Chemical Resistant Tank Linings	1 hour	Troy Fraebel
		Coating Failures: Recognizing and Preventing	1 hour	Troy Fraebel
		Paint 101	1 hour	Tony Ippoliti
		Paint 201	1 hour	Tony Ippoliti
		INFINITANK - "The New Standard for Service Life"	1 hour	Tony Ippoliti
		OAP- "See What You've Been Missing"	1 hour	Tony Ippoliti
		Concrete Water Tanks "Rehab Roadmap"	1 hour	Tony Ippoliti
		An NSF 61 Certified Anti-Foulant: One of a Kind! *4/2013*	1 hour	Tony Ippoliti
		Minimize Algae on Concrete Troughs *4/2013*	1 hour	Tony Ippoliti
		Extend the Service Life of Storage Tanks using the Revised AWWA D102 Standard *4/2013*	1 hour	Tony Ippoliti
	Jason Hoover 949-305-7889	High Performance Steel Connection Testing and Applicability to Everyday Structures	1.5 hours	Jason Hoover



		New Technology in Structural Steel Moment Frames for any Design Environment	1.5 hours	Jason Hoover
Simpson Strong-Tie Anchor Systems	Mark Jarvinen (800)999-5099	Simpson Anchor Systems 2011 Workshop	6 hours	Mark Jarvinen
		Simpson Strong Tie 2012 Anchor Products Workshop	6 hours	Mark Jarvinen
		Strength Design of Post-Installed Concrete Anchors	4 hours	Mark Jarvinen
Siva Corrosion Services	Kelsey Farmer (610)692-6551	Corrosion of Steel in Concrete	1 hour	Siva Venugopalan, David Kaeffaber, Stuart Mundth
		Preservation of Pre-stressed Structures	1 hour	
		Preservation of Prestressed and Cable Stay Bridges	1 hour	
		Cost-Effectively Extending Service Lines of Severely Deteriorated Concrete Substructures	1 hour	
Skyline Steel	Graham Bennett (973) 428-6100	Applications for Foundations Steel	1 hour	Graham Bennett, Steve Yassem
		Steel Sheet Pile (SSP) Bridge Abutments	1 hour	Graham Bennett, Steve Yassem
		Changing the Economics of Below Grade Parking	1 hour	Graham Bennett, Steve Yassem
		Steel Piling Installation Methods	1 hour	Graham Bennett, Steve Yassem
		AM Retain: Steel Sheet Pile Design Software	1 hour	Graham Bennett, Steve Yassem
Soil and Materials Engineers, Inc	Kimberly Looman (317) 876-0200	Advanced Pavement Evaluation & Design Methods	1 hour	Chuck Gemayel / Michael Maurovich

Solar Turbines Inc	John McClain (619) 595-7569	6 Sigma Blackbelt Training - DMAIC	80 hours	Various Caterpillar Master Blackbelts
		6 Sigma Blackbelt Training - DMEDI (Design for 6 Sigma)	60 hours	
		6 Sigma Blackbelt Training - Cat Production System (Lean 6 Sigma)	40 hours	
Spectra Tech, LLC	Jeff Woodcock (317) 362-7526	Manhole Rehabilitation 101	1 hour	Jeff Woodcock
Spatial Business Systems	Pat Reid 877-777-4456	AutoCAD Utility Design User Training	8 hours	Jeremiah McNelly, GISP
		AutoCAD Utility Design Configuration Training	8 hours	Jeremiah McNelly, GISP
Stand Associates, Inc.	Tony Akles	Phosphorus Removal Seminar	4 hours	Troy Larson, Matt Smith, PE, Mark Sneve, PE
Stantec	Richard J. Mazzoni 502- 212-5000	Shear Strength of Soils	7 hours	Alan F. Rauch, PhD, PE
Steel Structures Technology Center, Inc	Robert E. Shaw, Jr. (734) 878-9560	Evaluation, Repair and Retrofitting of Existing Steel Structures	8 hours	Robert Shaw
Stego Industries, LLC	Bryce Skeeters (949) 257-4100	Concrete Moisture- Getting Dry & Staying Dry	1 hour	

Stuart G. Walesh	Stuart G. Walesh (219) 464-1704	Communication: Meetings- Planning and Conducting Productive Meetings	1.5 hours	Stuart G. Walesh
		Communication: Speaking - Preparing and Delivering a Convincing Presentation	1.5 hours	
		Communication: Writing - Engaging and Convincing the Reader	1.5 hours	
		Ethics and Law: Ethical Behavior - The Key to Earning Trust	1.5 hours	
		Ethics and Law: Avoiding Interpersonal and Legal Problems	1.5 hours	
		Marketing Professional Services: Fundamentals - It's Everyone's Business	1.5 hours	
		Marketing Professional Services: The Five Habits of Highly-Effective Marketers	1.5 hours	
		Personal Development: Delegation - Why Put off Until Tomorrow What Someone Else Can do Today?	1.5 hours	
		Personal Development: Ten Tips for Achieving Success and Significance	1 hour	
		Personal Development: Time Management - A Roles and Goals Approach to a Balanced Life	1.5 hours	
		Project Management: Characteristics of Successful Project Managers	1 hour	
		Project Management: Earned-Value Method for Monitoring Deliverables, Budgets, and Schedules	1 hour	
		Project Management: Critical Path Method - An Introduction	1 hour	
		Project Management: Enhancing the Creativity and Innovation of Project Managers	1.5 hours	
		Project Management: Improved Communication Within and Outside of the Project Team	1.5 hours	
		Project Management: Project Planning - Thinking Through Before Doing	1.5 hours	
		Project Management: Quality - What Is It and How to Achieve It?	1.5 hours	

		Project Management: Scope Creep - Minimizing and Managing It	1.5 hours	
Straub, Seaman & Allen, P.C.	Nanci Fenrick (269)982-1600	Collapses and Failures - How & Why They Occur	3 hours	Drew Seaman and Thomas Waggoner
SunCam, Inc.	William C. Dunn (800)735-4449	Solar Power Design for Small Structures	4 hours	Randy Wilder
		Solar Power Systems- Inspecting and Evaluation	4 hours	Randy Wilder
		Foundations of Project Management DVD	4 hours	Jeffrey Pinto
		The Technical Side of Project Management DVD	4 hours	Jeffrey Pinto
		How your projects will go wrong DVD	4 hours	Jeffrey Pinto
		Water Flow in Pipes - The Hazen-Williams Formula	4 hours	William Dunn
		Gravity Flow in Pipes - The Manning Formula	4 hours	William Dunn
		Geothermal Heating and Cooling	4 hours	Peter Tavino
		The Energy Audit of an Existing Home	4 hours	Peter Tavino
		Welding Technology	4 hours	Roger Cantrell
		Green Design 2010	4 hours	Betty Bezos
		Stormwater Retention Pond Recovery Analysis	4 hours	Nicholas Andreyev
		Introduction to the Design of Wood Tresses	2 hours	Derek Rhodes
		Introduction to Control and Instrumentation	4 hours	Manuel Gooding
		Dredging and the Environment Part 1	4 hours	John DeRugieris

		Forensic Engineering Part A and B	6 hours	Gerald Davis
		Fundamentals of Concrete	3 hours	Patrick Glon
		HVAC Design - Fundamentals	2 hours	R. Michael Ballew
		Basic Tools for Electrical Protection and Short Circuit	4 hours	Manuel Gooding
		Three Phase Systems	3 hours	Manuel Gooding
		Introduction to Piping Engineering	4 hours	Gerald May
		Marina Site Analysis	4 hours	John DeRuggeris
		Timber Pier Design	4 hours	John DeRuggeris
		Highway Engineering I	4 hours	Thomas McLaughlin
		Highway Engineering II	4 hours	Thomas McLaughlin
		Introduction to Reverse Osmosis Desalination	4 hours	Nikolay Voutchkov
		Assessing Environmental Contamination I	4 hours	Mary Anna Evans and Kelly Bergdoll
		Ground Source Water to Air Heat Pumps	4 hours	Peter Tavino
		Introduction to Antennas	4 hours	John Seybold
		Considerations in Estimating Tailwater Elevations	4 hours	Al Stewart
		Land Surveying Systems in the United States of America	3 hours	Thomas Beer
		Stormwater Retention - Field and Laboratory Methods	4 hours	Nicolas Andreyev
		Pedestrian Safety	4 hours	Debra Kennaugh

		Traffic Control Plans	4 hours	Debra Kennaugh
		LEED for Existing Buildings	3 hours	Leslie Philip
		Fundamentals of Post-Tensioned Concrete Design for Buildings Part I	4 hours	John Miller
		Digital Control of Second and Higher Order Systems	4 hours	Raymond L. Barrett, Jr.
		Converting Feedback Systems from Analog to Digital Control	4 hours	Raymond L. Barrett, Jr.
		Switchmode Boost Power Converter Using Current-Mode Control	4 hours	Raymond L. Barrett, Jr.
		Switchmode Boost Power Converter Using Voltage-Mode Control	4 hours	Raymond L. Barrett, Jr.
		Embedded Systems; Analog, Digital, and Microcomputers	4 hours	Raymond L. Barrett, Jr.
		DSSS Digital Communication	4 hours	Raymond L. Barrett, Jr.
		Phase Lock Loops	4 hours	Raymond L. Barrett, Jr.
		QAM Digital Communications	4 hours	Raymond L. Barrett, Jr.
		Filters and Equalizers	4 hours	Raymond L. Barrett, Jr.
		Lighting Design	2 hours	Debra Kennaugh
		Intersection Safety	4 hours	Debra Kennaugh
		Design of Bicycle Facilities	4 hours	Debra Kennaugh
		Bicycle Planning and Safety	4 hours	Debra Kennaugh
		Access Management *	2 hours	Debra Kennaugh
		Median Design	4 hours	Debra Kennaugh

		HVAC Design - Industrial Ventilation	1 hour	R. Michael Ballew
		HVAC Design - LEED for Industrial Projects	1 hour	R. Michael Ballew
		Map Projections and State Plane Coordinate Systems	3 hours	Thomas Maxwell Beer
		Fluid Flow in Pipes - The Darcy-Weisbach Equation	4 hours	Lawrence H. Smith, Sr.
		Roller Bearing Technology	4 hours	Robert P. Tata
		Ball Bearing Technology	3 hours	Robert P. Tata
		Introduction to Gear Technology	3 hours	Robert P. Tata
		Automotive Bearing Technology	3 hours	Robert P. Tata
		Geothermal Boreholes	4 hours	Peter J. Tavino, Jr.
		Introduction to Storm Sewer Design	2 hours	David F. Carter
		Drainage Design with WinTR-55	4 hours	David F. Carter
		Pretensioned Prestressed Concrete	4 hours	Dipankar Chandra
		Corrosion Control and Tactics	4 hours	Gerald O. Davis
		Dredging and the Environment Part 2	4 hours	John A. DeRugieris
		Mechanically Stabilized Earth Structures - Part 1	4 hours	Blaise J. Fitzpatrick
		Mechanically Stabilized Earth Structures - Part 2	4 hours	Blaise J. Fitzpatrick
		Mechanically Stabilized Earth Structures - Part 3	4 hours	Blaise J. Fitzpatrick
		Green Soil and Groundwater Remediation	2 hours	Laura J. Gimpelson

		Smoke Control Systems, Special Inspections for High-Rise Buildings	4 hours	Joseph Hauf
		Memories in Computers - Part 1: Overview and DRAM Introduction	4 hours	William R. Huber
		Memories in Computers - Part 2: DDR SDRAMs	4 hours	William R. Huber
		Memories in Computers - Part 3: Flash Memory	4 hours	William R. Huber
		Building Mechanical Integrity Programs into New Plants	3 hours	Gerald H. May
		Introduction to Daylighting	2 hours	Leslie Phillip
		A Gentle Introduction to Ultra-wide Band (UWB) Radio Technology	2 hours	Kazimierz Siwiak
		Cell Phone and RF Exposure Awareness	2 hours	Kazimierz Siwiak
		Solar Basics-Radiation Data Online	4 hours	Dr. Harlan H. Bengtson
		Open Channel Flow Measurement-Weirs and Flumes	4 hours	Dr. Harlan H. Bengtson
		Reliability in Wastewater Systems	3 hours	Daniel Spradling
		Reliability in Facility Design	2 hours	Daniel Spradling
		Fundamentals of Steel- Part A	4 hours	Patrick Glon
		Fundamentals of Steel- Part B	4 hours	Patrick Glon
		Signalization Design	4 hours	Debra Kennaugh
		Precision Measurement	4 hours	Tony Schmitz
		Introduction to Storm Shutters	2 hours	V. John Knezevich
		Property Rights for Design, Construction and Surveying Professionals	2 hours	Thomas Beer



		Introduction to GIS and GPS for Engineers and Surveyors	4 hours	Julie Coco
		Roundabout Geometric Design	4 hours	Gregory Taylor
		Introduction to Open-Grade Friction Courses	4 hours	Gregory Taylor
		Fundamental of Helical Anchors/Piles	4 hours	Thomas Watson
		Dredging and the Environment- Part 3	4 hours	John DeRugieris
		An Introduction to Concrete Pavement Construction	3 hours	John Kristensen
		Vibration- Modal Analysis	4 hours	Tony Schmitz
		Traffic Signs	4 hours	Gregory Taylor
		Pavement Markings	4 hours	Gregory Taylor
		Horizontal Curve Sefety	4 hours	Gregory Taylor
		Introduction to Roller Compacted Concrete	2 hours	Gregory Taylor
		Work Zone Traffic Control	4 hours	Gregory Taylor
		Campgrounds-The Basics of Design	4 hours	Randy Wilder
		Commercial Kitchen Ventilation Design Considerations	1 hour	Steven Liescheidt
		Variable Air Volume (VAV) For Laboratories	1 hour	Steven Liescheidt
		Fabric Air Distribution	1 hour	Steven Liescheidt
		Airdoor Fundamentals and Applications	1 hour	Steven Liescheidt
		Seismic & Wind Information HVAC Engineers Should Know	1 hour	Steven Liescheidt

		Manual on Uniform Traffic Control Devices 1	4 hours	Gregory Taylor
		Manual on Uniform Traffic Control Devices 2	4 hours	Gregory Taylor
		Orifice and Venturi Pipe Flow Meters	2 hours	Harlan H. Bengtson
		Convection Heat Transfer Coefficient Estimation	4 hours	Harlan H. Bengtson
		Re-mineralization of Desalinated Water	4 hours	Nikolay Voutchkov
		Management of Desalination Plant Concentrate	4 hours	Nikolay Voutchkov
		Traffic Calming	2 hours	Debra Kennaugh
		Septic System Design	4 hours	Randy Wilder
		Switch mode Buck Power Converter Using Current Mode Control	4 hours	Raymond L. Barrett, Jr.
		New York Highway Engineering Fundamentals	4 hours	Thomas McLaughlin
		Open Channel & Box Culvert Flow- The Manning Formula	4 hours	William Dunn
		Precast Segmental Bridge Construction - An Introduction	3 hours	John Kristensen
		Solar Update 2012 - PV System for Small Structures	4 hours	Randy Wilder
		Decision Making in Engineering Planning and Design	4 hours	Raymond L. Barrett, Jr.
		Free Open-Source Software O(FOSS) in Engineering	4 hours	Raymond L. Barrett, Jr.
		Industrial Floor Framing for Vibrating Equipment	4 hours	Ernest Klaber
		Introduction to Scheduling for Project Controls	3 hours	Eukeni Urrechaga
		Introduction to Planning for Project Controls	2 hours	Eukeni Urrechaga

		Introduction to Risk for Project Controls	1 hour	Eukeni Urrechaga
		Installing Solar Power Systems-An Introduction	4 hours	Randy Wilder
		Fundamentals of Post-Tensioned Concrete Design for Buildings Part I	4 hours	John P. Miller, PE, SE
		Fundamentals of Post-Tensioned Concrete Design for Buildings Part II	4 hours	John P. Miller, PE, SE
		Fundamentals of Post-Tensioned Concrete Design for Buildings-Part Three	4 hrs	John P. Miller, PE, SE
		Introduction to Compound Channel Flow Analysisfor Floodplains	4 hrs	Kelly McAte, PE, Leed AP
		Heat Load Calculations for Refrigerated Spaces	3 hrs	Jeffery K. Welch, PE
		Roadway Cross-section Design	4 hrs	Gregory J. Taylor, PE
		Roadway Horizontal Alignment Design	4 hrs	Gregory J. Taylor, PE
		Roadway Vertical Alignments	4 hrs	Gregory J. Taylor, PE
		Laws and Rules on Video	4 hrs	Edwin A. Bayo, Attorney at Law
		Laws & Rules Online	4 hrs	William C. Dunn, PE
Temperature Equipment Corp	Ryan Hoyer (708) 418-7901	Designing High Efficiency Chilled Water Systems	8 hours	
		Energy Efficient Air Distribution Systems	8 hours	
		DDC Control Systems & Applications	8 hours	
		Hydronic System Fundamentals	8 hours	

		DX Piping for R-410, Digital Scroll, and VRF Systems	4 hours	
		Technical Development Program (TDP) - HVAC Fundamentals & Applications	27 hours	
		Energy Recovery Systems for Air and Hydronic	6 hours	
		HVAC Retro-Fits for Energy Conservation	7 hours	
TenCate Geosynthetics	John Hermann (636) 693-2226	Geosynthetic Applications in Transportation	1 hour	John Hermann
Tersus Environmental, LLC	Gary M. Birk 919-453-5577	An Overview of Treatability Testing Options 1	1 hour	Jeff Roberts, M.Sc.
		Remediation of 1,2-DCA using KB-1 Bioaugmentation- from Lab Studies to Field Bioaugmentation	1 hour	Phil Dennis
		Bioaugmentation	1 hour	Sandra Dworatzek
		Emulsified Zero-Valent Iron, A Combination Technology for Source Zone Remediation	1 hour	J. Greg Booth, Ph.D
		The Use of Metabolic Supplements for Enhancing Anaerobic Bioremediation	1 hour	Michael M. Spacil, M.Sc., John Sankey, PE
		Vadose Zone Remediation by Sustainable Soil Vapor Extraction	1 hour	Gary M. Birk, PE
		Introduction to Cometabolic Bioremediation	1 hour	Gary M. Birk, PE, David Alden
		The Use of Hydrogen Gas to Enhance Reduction Dechlorination	1 hour	John Sankey, PE, Gary M. Birk, PE
		iSOC Design Options, Installation and O&M Webinar	1 hour	Gary M. Birk, PE
		Anaerobic Attenuation of Petroleum Hydrocarbons in the Subsurface	1 hour	Gary M. Birk, Jeff Roberts, J. Greg Booth, Ph D., Sandra Dworatzek, Don Ray, John Sankey, David Alden

		Managing Geochemistry and Hydrogeology While Performing Aerobic Biomediation	1 hour	Gary M. Birk, Jeff roberts, J. Greg Booth, Ph D., Michael Spacil, Sandra Dworatzek, Don Ray, John Sankey, David Alden, Phil Dennis, James F. Cuthbertson, Dr. Ofer Dahan
		Water flow and solute transport in deep vadose zone - implications from direct observations	1 hour	Gary M. Birk, Jeff roberts, J. Greg Booth, Ph D., Michael Spacil, Sandra Dworatzek, Don Ray, John Sankey, David Alden, Phil Dennis, James F. Cuthbertson, Dr. Ofer Dahan
The Secant Group, Inc.	Thomas T. (Ted) Nitza (260) 416-6188	Introduction of Wetlands for Engineers	3 hours	Eric Ellingson, Thomas T. Nitza, Jr, Michael J. Keefer
		Great Lakes Compact Issues for Engineers	2 hours	Eric Ellingson, Thomas T. Nitza, Jr, Michael J. Keefer
		Advanced Topics Regarding Wetlands for Engineers	2 hours	Eric Ellingson, Thomas T. Nitza, Jr, Michael J. Keefer
		Identification and Classification of Wetlands for Engineers (A Field Course)	6 hours	Eric Ellingson, Thomas T. Nitza, Jr, Michael J. Keefer
Tideflex Technologies	Michael Duer (412)279-0044	The Science of Mixing Water Storage Tanks	1 hour	Michael Duer; Micheal Hively
Tower Numerics, Inc	Peter Chojnacki (781) 862-0966	Basics of Tower Modeling and Design	8 hours	Roger Barton
		Advanced Tower Modeling and Design	8 hours	

Trane	Denise Slack (317) 255-8777	Green HVAC Done Right	2 hours	Eugen Smithart
		High Performance VAV Systems	1.5 hours	John Murphy
		ASHRAE Standard 62.1	1.5 hours	Dennis Stanke, Paul Solberg, John Murphy
		Air-to-Air Energy Recovery	1.5 hours	Dennis Stanke, Ronnie Moffitt, John Murphy
		Single-Zone VAV Systems	1.5 hours	John Murphy, Eric Sturm
		Energy-Saving Strategies for WSHP/GSHP Systems (Water Source & Ground Source Heat Pumps)	1.5 hours	Paul Solberg, John Murphy, Mick Schwedler
		High Performance Green Buildings: The Impact of ASHRAE Standard 189.1-2011	1.5 hours	Dennis Stanke, Chris Hsieh, Susanna Hanson
		Upgrading Existing Chilled-Water System	1.5 hours	Mick Schwedler, Susanna Hanson, Bonnie Spaulding
		Dedicated Outdoor-Air Equipment	1.5 hours	Ronnie Moffitt, John Murphy, Paul Solberg
		ASHARE Standard 90.1-2010	1.5 hours	Mick Schwedler, Susanna Hanson, Mike Patterson, Matthew Bye
		Fans in Air Handling Systems	1.5 hours	John Murphy
		Air Handling Systems, Energy and IAQ	1.5 hours	John Murphy
		Ice Storage Design and Application	1.5 hours	John Murphy
		LEED 2009 Modeling and Energy Savings	1.5 hours	John Murphy
		Answers to Pool Dehumidification Questions	1.5 hours	Karl Schaphorst
Transit Seminars, Inc.	Charles Bevington (260)625-5641	ALTA/ACSM Land Title Surveys	8 hours	Charles Bevington and or Donald Reid

		LET'S GET PAID! Mechanic Liens, Performance Bonds, Indiana Statutes and Rules and the Miller Act	6 hours	Charles Bevington and or Donald Reid
		864 IAC 1.1 Rule 11: Rules of Professional Conduct	2 hours	Charles Bevington and or Donald Reid
		864 IAC 1.1 Rules 1 thru 10 and Rules 12 thru 15, Engineer's Administrative Codes	6 hours	Charles Bevington and or Donald Reid
		IC 25-31 the Engineer's Registration Act	6 hours	Charles Bevington and or Donald Reid
		Indiana's Condominium Act	6 hours	Charles Bevington and or Donald Reid
		Liability of the Professional Architect, Engineer, & Surveyor in Indiana	6 hours	Charles Bevington and or Donald Reid
University of Southern Indiana	Julie Brauser (812)464-1989	Basic Orientation Plus	6 hours	Michelle Ashby/ Randy Smock/ Steve Anderson/ Irma Lopez
		Basic Orientation Plus - Refresher	4 hours	
Vectren Corporation	Christina Mayes, (812) 491-5482	Condensate System	5 hours	
		Logic, Instrumentation and Control	5 hours	
		Trip, Safe Shutdown and Recovery	8 hours	
		Turbine and Generator Operation	10 hours	
		Plant Science, Basic Physics and Measurement	2.5 hours	
		Boiler Air, Combustion and Flue Gas Fundamentals	6.5 hours	
		Boiler Steam and Feedwater Fundamentals	2.5 hours	
		Pumps and Valves	2 hours	

		Circulation Water System	4.5 hours	
		Feedwater System	3 hours	
		Boiler and Process Water Chemistry	2 hours	
		Properties and Electricity and Magnetism	2 hours	
		Turbine Construction	2 hours	
		Turbine Auxiliaries- Steam Seals, EHC and Lube Oil	3.5 hours	
		Generator and Auxiliaries	1.5 hours	
		Distribution of Electrical Energy	1 hour	
		Energy Efficiency 101: Heating and Furnace Fundamentals	1 hour	
Viega LLC	Ray Bradford (765) 661-2298	Megapress & Megapress G Technology	1.5 hours	Ray Bradford
		Propress & Propress G Technology	2 hours	Vaughn Latham
		Pureflow Viega Pex	1.5 hours	Frank Bruggner
		Propress Stainless Stell	1 hour	Mike Norgan
		Radiant Heating & Cooling	2 hours	
W. C. Benton & Associates, Inc	W.C. Benton or Linda McHenry (502) 558-8182	Adapting to and Managing Change for Engineers	3 hours	W.C. Benton
		Project Management and Operational Excellence	3 hours	Joseph Girard



		Financial Accounting for Engineers	3 hours	Linda McHenry
		Niche Marketing for Engineers	3 hours	Richard Murdock
		Marketing Communications for Engineers	8 hours	
		Growing and Sustaining a Successful Engineering Firm	4 hours	
		How to Use Quick Books	8 hours	
		Operational Excellence and Project Management	8 hours	
		Operational Excellence and Negotiations Techniques	8 hours	
		Implementing Personal Accountability for the Professional Engineer		
		Financial Accounting and Controls for Engineers		
		The Activity Based Service Model: Marketing for Professiona Engineers a Niche Marketing		
		Project Planning, Management & Control		
		Effective		
WDC Exploration and Wells	Jeffrey Stone (317)872-1203	8 Hour Hazwoper Update: meeting the requirements 29CFR1910 and title 8CCR 5192	8 hours	David Bardsley and Jeffrey Stone
		Drilling Fundamentals	1 hour	
		Direct Push Technologies	1 hour	
		Drilling Fluids Management	1 hour	
		Sonic Drilling	1 hour	

		In-situ Remediation tools and Technologies	1 hour	
		Submersible Pump Selection	1 hour	
William J. Lhota	William Lhota (614) 578-1100	Indiana Rules of Professional Conduct for Professional Engineers	1 hour	William Lhota
		Code of Ethics and Business Conduct	1 hour	
Wiss, Janney, Elstner Associates	Sarah Loveless (847) 753-6378	Collapse of the Koror-Babeldaob Bridge	1	Gary Klein
		Innovations in Structural Retrofit	1	Howard Hill
		Historic Structures Report	1	Deborah Slaton & Stephen Kelley
		Writing for WJE	1	Deborah Slaton
		Post-Tensioned Structural Analysis: Overview of Available Software	1	Mary Darr
		SAP2000 Basics	1	Rich Lindenberg
		Nurturing Existing Client Relationships: The Big Picture	1	Howard Hill
		Review of Concrete Mix Submittals	1	Paul Krauss & Todd Nelson
		Client Relations Experience, Part 1	1	Edis Oliver, Ian Chin, and Pete Popovic
		Client Relations Experience, Part 2	1	Tim Allanbrook, Kim Beasley, Brian Pashina
		Flange Connection Distress in Precast Double Tee Parking Structures	1	Carl Peterson, Michael Lee, and Luis Estenssoro
		Evaluation of Low Strength Concrete	1	Jeff Caldwell & Kevin Copeland

		Client Relations Experience, Part 3	1	Andy Weber, Dan Lemieux, Terry Paret
		Flange Connection Distress in Precast Double Tee Parking Structures	1	Carl Peterson, Michael Lee, and Luis Estenssoro
		Detailing Masonry Veneer/Steel Stud Backup Systems at Fenestration Systems to Avoid Moisture	1	Norbert Krogstad
		Analysis of Buckling, P-delta Effects, and Large Deflections with SAP2000	1	Rob Tovani_& Atif Habibullah
		Client Relations Experience, Part 4	1	Mark Moore, John Duntemann, and Steve Schmit
		Communicating Through Presentations	1	Mark Morden
		Relative Reliability: How AISC (and others) determine how safe is safe enough	1	Howard Hill
		Application of Seismic/Wind Loads- Including IBC 2003 code	1	Atif Habibullah
		Time History and Response Spectrum Analysis	1	Atif Habibullah
Witzenmann GmbH	Yvonne Reiling +011497231581227	Witzenmann Introductory Training	36.25 hours	Michael Pluschke
WL Plastics Corp	William Adams 307-277-1772	HDPE Pipe	1 hours	William Adams
Woolpert Inc	Amanda Campbell (937)461-5660	Project Management Essentials Business Development Training	4 hours	Rex Cowden
		Project Management Essentials Contracting Training	4 hours	Rex Cowden
		Project Management Essentials Planning Training	4 hours	Rex Cowden
		Project Management Essentials Execution Training	4 hours	Rex Cowden

		Project Management Essentials: Federal Project Management Training	12 hours	
		Woolpert Project Management Essentials: Facilitation Training	3 hours	
		Woolpert Project Management Essentials: Managing Performance Training	7 hours	
Write-Logic Inc	Lorraine Zahn (315) 569-8563	Technical Writing: Strategies and Styles	19 hours	Lorraine Zahn
		One day classroom training of Technical Writing: Strategies and Styles	8 hours	
		Two day classroom training of Technical Writing: Strategies and Styles	16 hours	
		Online modules:		
		Email Excellence; Proofreading Today; Punctuation Matter; Tone Techniques	2.25 hours each	
XP Solutions	Anthony Kuch (888) 554-5022	Stormwater Management & Flood Modeling using xpswmm/xpstorm/xp2d **July 11-13, 2012**	7 hours	
Xylem Water Solutions-Products	Flygt Tom Bowman (317) 273-4470	Update on Flygt Wastewater Pumping Solutions	2 hours	Bob Domkowski, Brian Winkelman, Mir Khan
	Tom Bowman (317) 273-4470	Flygt Mixing and Low Head Pumping	1.5 hours	Jim Fischer
		Flygt Engineering Midwest Road Show	7 hours	Bob Domkowski, Elisha Winters, Jim Fischer, Jim Vukich, Dean Sizemore, Mark Deisher





























































































































































































































































































































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